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Corsi C (*see* Caiani et al). 2005;18:1292-8
Covino F (*see* Pascotto et al). 2005;18:481-2 (Case rep.)
Cowan BR (*see* Gentles et al). 2005;18:1131-6
Cribier A (*see* Bauer et al). 2005;18:934-9
Crijns HJGM (*see* Bekkers et al). 2005;18:389-93
Crijns HJGM (*see* Merckx et al). 2005;18:940-4
Critelli G (*see* Tallarico et al). 2005;18:69-70 (Case rep.)
Crowley Al (*see* Brosnan et al). 2005;18:1381-4
Cury AF, Bonilha A, Saraiva R, Campos O, Carvalho ACC, De Paola AAV, Fischer C, Tucci PF, Moises VA. Myocardial performance index in female rats with myocardial infarction: relationship with ventricular function parameters by Doppler echocardiography. 2005;18:454-60

D

Dabbah S, Reisner SA, Adler Z, Milo S, Agmon Y. Intermittent coronary sinus occlusion complicating coronary sinus cannulation during coronary artery bypass operation. 2005;18:882.e3-6 (Case rep.)
Dae M (*see* Khush et al). 2005;18:168-74
Dahle GO (*see* Matre et al). 2005;18:1066-73
Daimon M, Watanabe H, Yamagishi H, Kuwabara Y, Hasegawa R, Toyoda T, Yoshida K, Yoshikawa J, Komuro I. Physiologic assessment of coronary artery stenosis without stress tests: noninvasive analysis of phasic flow characteristics by transthoracic Doppler echocardiography. 2005;18:949-55
Dambrauskaite V, Delcroix M, Claus P, Herbots L, Palecek T, D'hooge J, Bijnens B, Rademakers F, Sutherland GR. The evaluation of pulmonary hypertension using right ventricular myocardial isovolumic relaxation time. 2005;18:1113-20
Da S Nina VJ (*see* Pontes et al). 2005;18:427-34

Das BB, Pauliks LB, Knudson OA Jr, Kirby S, Chan K-C, Valdes-Cruz L, Cayre RO. Double-orifice mitral valve with intact atrioventricular septum: an echocardiographic study with anatomic and functional considerations. 2005;18:231-6
Dauphin C, Motreff P, Ruivard M, Rieu V, Cloix J-J, Lamaison D, Cassagnes J, Lusson J-R. Regressive aortic valve and infundibular tumors during idiopathic hypereosinophilic syndrome. 2005;18:772.e8-11 (Case rep.)
David TE (*see* Eriksson et al). 2005;18:1014-22
Davidson WR Jr (*see* Gao et al). 2005;18:626-31
Davidson WR Jr (*see* Pu et al). 2005;18:468-74
Davies CH (*see* Pemberton et al). 2005;18:1030-6
Dávila-Román VG (*see* de las Fuentes et al). 2005;18:1285-91
Dávila-Román VG (*see* Waggoner et al). 2005;18:216-20
Davutoglu V, Soydinc S, Aydin A, Karakok M. Rapidly advancing invasive endomyocardial aspergillosis. 2005;18:185-7 (Case rep.)
Dawn B, Varma J, Singh P, Longaker RA, Stoddard MF. Cardiovascular death in patients with atrial fibrillation is better predicted by left atrial thrombus and spontaneous echocardiographic contrast as compared with clinical parameters. 2005;18:199-205
Dawson D, Jin XY, Mitchell ARJ, Ormerod OO, Becher HH. Transthoracic diagnosis of left atrial appendage myxoma by real-time 3-dimensional echocardiography. 2005;18:192-3 (Case rep.)
Dawson D (*see* Thibault et al). 2005;18:1194-202
Dearani JA (*see* Chaowalit et al). 2005;18:275-7 (Case rep.)
Dearani JA (*see* Gilman et al). 2005;18:272-4 (Case rep.)
DeCara JM, Kirkpatrick JN, Spencer KT, Ward RP, Kasza K, Furlong K, Lang RM. Use of hand-carried ultrasound devices to augment the accuracy of medical student bedside cardiac diagnoses. 2005;18:257-63
DeCara JM, Toledo E, Salgo IS, Lammertin G, Weinert L, Lang RM. Evaluation of left ventricular systolic function using automated angle-independent motion tracking of mitral annular displacement. 2005;18:1266-9
DeCara JM (*see* Min et al). 2005;18:925-9
de Chantal M, Amyot R, Diodati JG, LeBlanc A-R, Pharand C. Absence of clinically significant increase in pulmonary artery pressure after intravenous perflutren injection for myocardial perfusion imaging in pigs. 2005;18:1299-303
deFilippi C (*see* Aggarwal et al). 2005;18:1208-12
de Gregorio C. Can we finally measure blood flow velocity all through the coronary artery three by transthoracic Doppler echocardiography in patients with myocardial hypertrophy? 2005;18:1464-6 (Letter)
de las Fuentes L, Waggoner AD, Brown AL, Dávila-Román VG. Plasma triglyceride level is an independent predictor of altered left ventricular relaxation. 2005;18:1285-91
de Las Fuentes L (*see* Waggoner et al). 2005;18:216-20
Delcroix M (*see* Dambrauskaite et al). 2005;18:1113-20
Demirbag R (*see* Yilmaz et al). 2005;18:873-81
Demirci M (*see* Özer et al). 2005;18:381-3 (Case rep.)
Denfield SW (*see* Eidem et al). 2005;18:830-8
Denvir MA, Sharif I, Anderson T, Webb DJ, Gray GA, McDicken WN. Influence of scanning frequency and ultrasonic contrast agent on reproducibility of left ventricular measurements in the mouse. 2005;18:155-62
De Paola AAV (*see* Cury et al). 2005;18:454-60
Derumeaux G (*see* Bauer et al). 2005;18:934-9
Deserrano D (*see* Donal et al). 2005;18:1392-8
Deveci B (*see* Ergun et al). 2005;18:71-4 (Case rep.)
Devereux RB (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
De Vos CB (*see* Merckx et al). 2005;18:940-4
DeVries S (*see* Thomas et al). 2005;18:287-97 (Case rep.)
D'hooge J (*see* Dambrauskaite et al). 2005;18:1113-20
Di Bello V (*see* Giorgi et al). 2005;18:8-14
Di Cori A (*see* Giorgi et al). 2005;18:8-14
Dinkuisen J (*see* Pontes et al). 2005;18:427-34
Diodati JG (*see* de Chantal et al). 2005;18:1299-303
Di Salvo G, Drago M, Pacileo G, Rea A, Carrozza M, Santoro G, Cappelli Bigazzi M, Caso P, Giovanna Russo M, Carminati M, Calabrò R. Atrial function after surgical and percutaneous closure of atrial septal defect: a strain rate imaging study. 2005;18:930-3
Di Salvo G, Pacileo G, Caso P, Verrengia M, Rea A, Santoro G, Giovanna Russo M, Calabrò R. Strain rate imaging is a superior method for the assessment of regional myocardial function compared with Doppler tissue imaging: a study on patients with transcatheter device closure of atrial septal defect. 2005;18:398-400
Di Salvo G, Pacileo G, Verrengia M, Rea A, Limongelli G, Caso P, Giovanna Russo M, Calabrò R. Early myocardial abnormalities in asymptomatic patients with severe isolated congenital aortic regurgitation: an ultrasound tissue characterization and strain rate study. 2005;18:122-7
Disterhoft M (*see* Bu et al). 2005;18:299-305
Disterhoft M (*see* Ge et al). 2005;18:1-7
Dittrich S (*see* Boettler et al). 2005;18:1121-30
Diwan A (*see* Syed et al). 2005;18:982-90 (Review article)
Dixon M (*see* Bu et al). 2005;18:299-305
Do K-H (*see* Kang et al). 2005;18:815-20
Doi K (*see* Popović et al). 2005;18:959-63
Dokainish H (*see* Ramasubbu et al). 2005;18:981.e17-8 (Case rep.)
Donal E, Novaro GM, Deserrano D, Popovic ZB, Greenberg NL, Richards KE, Thomas JD, Garcia MJ. Planimetric assessment of anatomic valve area overestimates effective orifice area in bicuspid aortic stenosis. 2005;18:1392-8
Donal E, Raud-Raynier P, Racaud A, Coisne D, Herpin D. Quantitative regional analysis of left atrial function by Doppler tissue imaging-derived parameters discriminates patients with posterior and anterior myocardial infarction. 2005;18:32-8
Donnelly JE (*see* Palka et al). 2005;18:107-15
Donohue D, Ahsan C, Sanaei-Ardekani M, Movahed M-R. Early diagnosis of stress-induced apical ballooning syndrome based on classic echocardiographic findings and correlation with cardiac catheterization. 2005;18:1423.e1-8 (Case rep.)
Dorbala S, Brozena S, Zeb S, Galatro K, Homel P, Ren J-F, Chaudhry FA. Risk stratification of women with peripartum cardiomyopathy at initial presentation: a dobutamine stress echocardiography study. 2005;18:45-8
Dos Santos P (*see* Thibault et al). 2005;18:1321-8
Doughty RN (*see* Whalley et al). 2005;18:710-7
Douglas PS (*see* Stein et al). 2005;18:244-51
Douglass L (*see* Aggarwal et al). 2005;18:1208-12
Drachenberg C (*see* Aggarwal et al). 2005;18:1208-12
Drago M (*see* Di Salvo et al). 2005;18:930-3
Drew B (*see* Khush et al). 2005;18:168-74
Drozdz J, Krzemińska-Pakuøla M, Lipiec P, Orczykowski M, Chrzanowski ØL, Plewka M, Kasprzak JD. Regional aortic function is correlated with intima-media thickness—insights from three-dimensional echocardiography. 2005;18:789-94
D'Souza KA, Mooney DJ, Russell AE, MacIsaac AI, Aylward PE, Prior DL. Abnormal septal motion affects early diastolic velocities at the septal and lateral mitral annulus, and impacts on estimation of the pulmonary capillary wedge pressure. 2005;18:445-53
Duhig E (*see* Palka et al). 2005;18:107-15
Dusek L (*see* Meluzin et al). 2005;18:435-44
Dwivedi G (*see* Greaves et al). 2005;18:620-5
Dyke RA (*see* Sengupta et al). 2005;18:757-60

E

Eberli FR (*see* Abay et al). 2005;18:1106 (Case rep.)
Edwards WD (*see* Chaowalit et al). 2005;18:275-7 (Case rep.)
Edwards WD (*see* Keating et al). 2005;18:981.e12-6 (Case rep.)
Egstrup K (*see* Husic et al). 2005;18:1173-80
Ehler D (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Ehlgen A (*see* Thibault et al). 2005;18:1194-202

Eidem BW, McMahon CJ, Ayres NA, Kovalchin JP, Denfield SW, Altman CA, Bezold LI, Pignatelli RH. Impact of chronic left ventricular preload and afterload on Doppler tissue imaging velocities: a study in congenital heart disease. 2005;18:830-8
El Khoury Rumbarger L (*see* Maurer et al). 2005;18:1051-7
Eltchaninoff H (*see* Bauer et al). 2005;18:934-9
Eltzschig HK, Rosenberger P, Lekowski RW Jr, Scott JD, Locke A, Shekar PS, Shernan SK, Fox JA. Role of transesophageal echocardiography in patients with suspected aortic dissection. 2005;18:1221.e4-6 (Case rep.)
Engelen MA, Bruch C, Buerger H, Weckesser M, Hoffmeier A. Pericarditis constrictiva and high-degree atrioventricular block as a first manifestation of a cardiac B-cell lymphoma. 2005;18:694.e8-10 (Case rep.)
Ensing G (*see* Lamers et al). 2005;18:743-8
Erdol C (*see* Yilmaz et al). 2005;18:632-7
Eren NT (*see* Turhan et al). 2005;18:694.e11-3 (Case rep.)
Ereño F (*see* Iglesias-Garriz et al). 2005;18:1181-6
Ergun K, Cagli K, Sahin O, Deveci B, Golbasi Z, Sasmaz H. Atrioventricular membrane perforation: a very rare complication of transvenous pacemaker implantation. 2005;18:71-4 (Case rep.)
Eriksson MJ, Bitkover CY, Omran AS, David TE, Ivanov J, Ali MJ, Woo A, Siu SC, Rakowski H. Mitral annular disjunction in advanced myxomatous mitral valve disease: echocardiographic detection and surgical correction. 2005;18:1014-22
Espinola-Zavaleta N (*see* Muñoz-Castellanos et al). 2005;18:237-43
Eto Y, Yamada H, Shin J-H, Agler DA, Tsujino H, Qin J-X, Saracino G, Greenberg NL, Thomas JD, Shiota T. Automated mitral annular tracking: a novel method for evaluating mitral annular motion using two-dimensional echocardiography. 2005;18:306-12
Evangelista A (*see* Perez de Isla et al). 2005;18:850-9
Evans SE (*see* Gilman et al). 2005;18:490-1 (Case rep.)
Everett ME, Kirkpatrick JN, Lang RM. Noncompaction of the myocardium complicated by coronary artery embolism. 2005;18:194-6 (Case rep.)

F

Faddis MN (*see* Waggoner et al). 2005;18:216-20
Fan L (*see* Stein et al). 2005;18:244-51
Fanneløp T (*see* Matre et al). 2005;18:1066-73
Fedwick K (*see* Yang et al). 2005;18:1074-82
Feigenbaum H. Journal of the American Society of Echocardiography case reports with digital images. 2005;18:619 (From the editor)
Filusch A (*see* Hansen et al). 2005;18:1213-20
Finkelhor RS (*see* Bahler et al). 2005;18:666-73
Fischer C (*see* Cury et al). 2005;18:454-60
Flachskampf FA (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Florit J (*see* Perez de Isla et al). 2005;18:57-62
Florit J (*see* Perez de Isla et al). 2005;18:850-9
Foley DP (*see* Ho et al). 2005;18:883.e7-9 (Case rep.)
Fondard O (*see* Messika-Zeitoun et al). 2005;18:1409-14
Forfar JC (*see* MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Foster E (*see* Khush et al). 2005;18:168-74
Foster E (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Fouron J-C (*see* Raboisson et al). 2005;18:375-80
Fox JA (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Franciosa P (*see* Vitarelli et al). 2005;18:1424-39 (Review article)
Freih M, Saba S. Superior vena cava (SVC) thrombosis: diagnosis and follow up by transesophageal echocardiography (TEE). 2005;18:280-1 (Case rep.)
Friedberg MK, Silverman NH. Mitral valve leaflet excursion velocity in the pediatric population: a comparable diastolic index to the color M-mode propagation velocity. 2005;18:142-7
Friedman D (*see* Makaryus et al). 2005;18:475-80
Friess H (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Frischknecht BS, Jost CHA, Oechslin EN, Seifert B, Hoigné P, Roos M, Jenni R. Validation of noncompaction criteria in dilated cardiomyopathy, and valvular and hypertensive heart disease. 2005;18:865-72
Fujii S (*see* Komuro et al). 2005;18:26-31
Fukamachi K (*see* Popović et al). 2005;18:959-63
Fukamachi K (*see* Tabata et al). 2005;18:722-8
Furlong K (*see* DeCara et al). 2005;18:257-63
Furlong KT (*see* Min et al). 2005;18:925-9
Fürmaier R (*see* Jander et al). 2005;18:654-9
Furusho H (*see* Omi et al). 2005;18:39-44
Fyfe DA (*see* Ayres et al). 2005;18:91-8 (ASE report)
Fyfe DA (*see* Cardis et al). 2005;18:660-5

G

Gaibazzi N, Petrucci N, Ziacchi V. Left ventricle myocardial performance index derived either by conventional method or mitral annulus tissue-Doppler: a comparison study in healthy subjects and subjects with heart failure. 2005;18:1270-6
Gajarski R (*see* Lamers et al). 2005;18:743-8
Galatro K (*see* Dorbala et al). 2005;18:45-8
Galbraith A (*see* Palka et al). 2005;18:107-15
Gamache S (*see* Raboisson et al). 2005;18:375-80
Gamble GD (*see* Whalley et al). 2005;18:710-7
Gao Z, Li J, Kehoe V, Davidson WR Jr, Sinoway L, Pu M. An initial application of transesophageal Doppler echocardiography in experimental small animal models. 2005;18:626-31
Gao Z (*see* Pu et al). 2005;18:468-74
Garcia M (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Garcia MJ (*see* Donal et al). 2005;18:1392-8
Garcia MJ (*see* Popović et al). 2005;18:959-63
Garcia V (*see* Alhaj et al). 2005;18:483-5 (Case rep.)
Garcia-Fernandez MA (*see* Perez de Isla et al). 2005;18:850-9
García-Porrero E (*see* Iglesias-Garriz et al). 2005;18:1181-6
Garrote C (*see* Iglesias-Garriz et al). 2005;18:1181-6
Ge S, Bu L, Zhang H, Schelbert E, Disterhoft M, Li X, Li X, Sahn D, Stolpen A, Sonka M. A real-time 3-dimensional digital Doppler method for measurement of flow rate and volume through mitral valve in children: a validation study compared with magnetic resonance imaging. 2005;18:1-7
Ge S (*see* Bu et al). 2005;18:299-305
Geibel A (*see* Handke et al). 2005;18:1366-72
Gencer M (*see* Yilmaz et al). 2005;18:873-81
Gentles TL, Cowan BR, Occleshaw CJ, Colan SD, Young AA. Midwall shortening after coarctation repair: the effect of through-plane motion on single-plane indices of left ventricular function. 2005;18:1131-6
Geva T (*see* Ayres et al). 2005;18:91-8 (ASE report)
Gill DS, Yong Q-W, Wong T-W, Tan L-K, Ng K-S. Vegetation and bilateral congenital coronary artery fistulas. 2005;18:492-3 (Case rep.)
Gillam LD (*see* Makaryus et al). 2005;18:475-80
Gilman G, Evans SE, Hansen WH, Barnes ME, Klarich KW. Evaluation of right pulmonary artery obstruction by echocardiography in a 32-year-old woman with suggested histoplasmosis. 2005;18:490-1 (Case rep.)
Gilman G, Nelson JM, Murphy AT, Kidd GM, Stussy VL, Klarich KW. The role of the nurse in clinical echocardiography. 2005;18:773-7 (Special article)
Gilman G, Ommen SR, Hansen WH, Higano ST. Doppler echocardiographic evaluation of pulmonary regurgitation facilitates the diagnosis of constrictive pericarditis. 2005;18:892-5
Gilman G, Wright RS, Glockner JF, Starrett RS, Hansen WH, Sinak LJ, Tazelaar HD, Tajik AJ, Dearani JA. Ventricular septal hamartoma mimicking hypertrophic cardiomyopathy in a 41-year-old woman presenting with paroxysmal supraventricular tachycardia. 2005;18:272-4 (Case rep.)
Gilman G (*see* Hansen et al). 2005;18:860-4
Ginzton L (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Giorgi D, Di Bello V, Talini E, Palagi C, Grazia Delle Donne M, Nardi C, Verunelli F, Mariani MA, Di Cori A, Caravelli P, Mariani M. Myocardial function in severe aortic stenosis before and

after aortic valve replacement: a Doppler tissue imaging study. 2005;18:8-14
Giovanna Russo M (*see* Caputo et al). 2005;18:884.e19 (Case rep.)
Giovanna Russo M (*see* Di Salvo et al). 2005;18:122-7
Giovanna Russo M (*see* Di Salvo et al). 2005;18:398-400
Giovanna Russo M (*see* Di Salvo et al). 2005;18:930-3
Girish MP (*see* Trehan et al). 2005;18:964-9
Gleva MJ (*see* Waggoner et al). 2005;18:216-20
Glockner JF (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Goble MM, Gomez CA. Neonatal pulmonary artery thrombosis: echocardiographic characteristics and possible contributing factors. 2005;18:693.e1-4 (Case rep.)
Golbasi Z (*see* Ergun et al). 2005;18:71-4 (Case rep.)
Goldberg C (*see* Lamers et al). 2005;18:743-8
Gomez CA (*see* Goble and Gomez). 2005;18:693.e1-4 (Case rep.)
Goonewardena S (*see* Caiani et al). 2005;18:1292-8
Gorcsan J III (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Görnandt L (*see* Jander et al). 2005;18:654-9
Goto K (*see* Komuro et al). 2005;18:26-31
Gray GA (*see* Denvir et al). 2005;18:155-62
Grazia Delle Donne M (*see* Giorgi et al). 2005;18:8-14
Greaves K, Jeetley P, Hickman M, Dwivedi G, Sabharwal N, Lim T, Janardhanan R, Senior R. The use of hand-carried ultrasound in the hospital setting—a cost-effective analysis. 2005;18:620-5
Greenberg N (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Greenberg NL (*see* Donal et al). 2005;18:1392-8
Greenberg NL (*see* Eto et al). 2005;18:306-12
Greenberg NL (*see* Qin et al). 2005;18:1037-43
Grimm RA (*see* Tabata et al). 2005;18:722-8
Grong K (*see* Matre et al). 2005;18:1066-73
Gross M-L (*see* Hansen et al). 2005;18:1213-20
Grunst G (*see* Weidenbach et al). 2005;18:362-6
Guerra VC, Coles J, Smallhorn JF. Aneurysm of right atrium diagnosed by 3-dimensional real-time echocardiogram. 2005;18:1221.e1-3 (Case rep.)
Gul K (*see* Naqvi et al). 2005;18:384-8 (Case rep.)
Gupta MD (*see* Trehan et al). 2005;18:964-9
Gustafson D (*see* Stein et al). 2005;18:244-51
Gutgesell HP (*see* McCulloch et al). 2005;18:768-70
Gutierrez JL (*see* Caiani et al). 2005;18:779-88

H

Ha J-W, Oh JK, Pellikka PA, Ommen SR, Stussy VL, Bailey KR, Seward JB, Tajik AJ. Diastolic stress echocardiography: a novel noninvasive diagnostic test for diastolic dysfunction using supine bicycle exercise Doppler echocardiography. 2005;18:63-8
Ha J-W (*see* Lam et al). 2005;18:336-41
Haase KK (*see* Haghi et al). 2005;18:75-7 (Case rep.)
Habets J (*see* Merckx et al). 2005;18:940-4
Habets JHM (*see* Bekkers et al). 2005;18:389-93
Haghi D, Sueselbeck T, Poerner T, Borggrefe M, Haase KK. A novel regional right ventricular wall-motion abnormality observed in a case of acute pulmonary embolism (reverse McConnell sign). 2005;18:75-7 (Case rep.)
Hagler DJ (*see* Silvilairat et al). 2005;18:1137-42
Hagler DJ (*see* Silvilairat et al). 2005;18:1143-8
Hahn HS (*see* Syed et al). 2005;18:982-90 (Review article)
Haluska BA (*see* Moir et al). 2005;18:1187-93
Hamasaki S (*see* Yuasa et al). 2005;18:20-5
Hammerstingl C (*see* Bernhardt et al). 2005;18:649-53
Hammerstingl C (*see* Bernhardt et al). 2005;18:919-24
Hammill WW (*see* McCulloch et al). 2005;18:768-70
Han H-C, Martin RP, Lerakis G, Lerakis S. Prediction of the left ventricular ejection fraction improvement using echocardiography and mechanical modeling. 2005;18:718-21
Han L (*see* Lam et al). 2005;18:336-41
Handke M, Harloff A, Hetzel A, Olschewski M, Bode C, Geibel A. Left atrial appendage flow velocity as a quantitative surrogate parameter for thromboembolic risk: determinants and relationship to spontaneous echocontrast and thrombus formation—a transesophageal echocardiographic study in 500 patients with cerebral ischemia. 2005;18:1366-72
Hankins M (*see* Chambers et al). 2005;18:674-8
Hanrath P (*see* Hoffmann et al). 2005;18:330-5
Hansen A, Bekeredjian R, Filusch A, Wolf D, Gross M-L, Mueller S, Korosoglou G, Kuecherer HF. Cardioprotective effects of the novel selective endothelin-A receptor antagonist BSF 461314 in ischemia-reperfusion injury. 2005;18:1213-20
Hansen WH, Behrenbeck T, Spittell PC, Gilman G, Seward JB. Biphasic Doppler pattern of the descending thoracic aorta: a new echocardiographic finding in patients with aortic valve stenosis. 2005;18:860-4
Hansen WH (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Hansen WH (*see* Gilman et al). 2005;18:490-1 (Case rep.)
Hansen WH (*see* Gilman et al). 2005;18:892-5
Harada K, Ogawa M, Tanaka T. Right ventricular pre-ejection myocardial velocity and myocardial acceleration in normal fetuses assessed by Doppler tissue imaging. 2005;18:370-4
Harada K (*see* Kimura et al). 2005;18:1222-9 (Review article)
Harikrishnan S, Titus T, Tharakan JM. Septal defects after percutaneous mitral valvotomy—all are not innocent. 2005;18:183-4 (Case rep.)
Harloff A (*see* Handke et al). 2005;18:1366-72
Hartiala JJ (*see* Saraste et al). 2005;18:679-85
Hartman A (*see* Mittle et al). 2005;18:695.e14-7 (Case rep.)
Hartmann IB (*see* Moreira et al). 2005;18:206-12
Hartmann M (*see* Boettler et al). 2005;18:1121-30
Hasegawa R (*see* Daimon et al). 2005;18:949-55
Hashimoto A (*see* Inaba et al). 2005;18:729-36
Hassager C (*see* Kjaergaard et al). 2005;18:1058-65
Heimdal A (*see* Matre et al). 2005;18:1066-73
Hellems M (*see* McCulloch et al). 2005;18:768-70
Herbots L (*see* Dambrauskaite et al). 2005;18:1113-20
Herges RM (*see* Malouf et al). 2005;18:252-6
Herges RM (*see* Malouf et al). 2005;18:1399-403
Herpin D (*see* Donal et al). 2005;18:32-8
Herrera D (*see* Perez De Isla et al). 2005;18:802-4
Herrmann SC (*see* Bierig et al). 2005;18:1329-34
Hetzel A (*see* Handke et al). 2005;18:1366-72
Heuerman S (*see* Waggoner et al). 2005;18:216-20
Hiasa Y (*see* Ohara et al). 2005;18:638-43
Hickey E (*see* Pemberton et al). 2005;18:956-8
Hickman M (*see* Greaves et al). 2005;18:620-5
Higano ST (*see* Gilman et al). 2005;18:892-5
Hill JC, Palma RA. Doppler tissue imaging for the assessment of left ventricular diastolic function: a systematic approach for the sonographer. 2005;18:80-90 (Cardiac sonog. comm.)
Hirano T, Asanuma T, Azakami R, Okuda K, Ishikura F, Beppu S. Noninvasive quantification of regional ventricular function in rats: assessment of serial change and spatial distribution using ultrasound strain analysis. 2005;18:907-12
Hirata K (*see* Otsuka et al). 2005;18:704-9
Hirayama A (*see* Ishikura et al). 2005;18:697-703
Ho E, Foley DP, Brown A. Aortic hypoplasia and right ventricular outflow tract obstruction in a young man with uncontrolled hypertension. 2005;18:883.e7-9 (Case rep.)
Ho W-J (*see* Wang et al). 2005;18:913-8
Hodge DO (*see* Malouf et al). 2005;18:252-6
Hodge DO (*see* Malouf et al). 2005;18:1399-403
Hoffman P, Lusawa T, Różański J. Detachment of the right coronary artery resulting in subsequent aneurysm of the ascending aorta and pulmonary artery fistula 7 years after a Bentall procedure. 2005;18:771.e4-7 (Case rep.)
Hoffmann R, Altiok E, Nowak B, Kühl H, Kaiser H-J, Buell U, Hanrath P. Strain rate analysis allows detection of differences in diastolic function between viable and nonviable myocardial segments. 2005;18:330-5
Hoffmeier A (*see* Engelen et al). 2005;18:694.e8-10 (Case rep.)
Hofmann H-S (*see* Schwertz et al). 2005;18:278-9 (Case rep.)
Hofstra L (*see* Bekkers et al). 2005;18:389-93
Hoigné P (*see* Frischknecht et al). 2005;18:865-72

Holmes KW, Ravekes W. Transient hemiparesis caused by a left atrial myxoma in a child. 2005;18:1105 (Case rep.)
Homel P (*see* Dorbala et al). 2005;18:45-8
Hong M-K (*see* Kang et al). 2005;18:815-20
Hong S-J (*see* Youn et al). 2005;18:128-32
Hong S-J (*see* Youn et al). 2005;18:1093-8
Hoover JG (*see* Bierig et al). 2005;18:1329-34
Hoq SM (*see* Upadya et al). 2005;18:883.e10-4 (Case rep.)
Hosch W (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Hosokawa S (*see* Ohara et al). 2005;18:638-43
Hozumi T (*see* Otsuka et al). 2005;18:704-9
Hozumi T (*see* Ueda et al). 2005;18:1163-72
Hsiao S-H, Huang W-C, Lee TY, Sy CLL, Lin S-K, Liu C-P. Preload and flow propagation velocity: insight into patients with uremia and different left ventricular systolic function. 2005;18:1254-9
Hsiao S-H, Huang W-C, Sy C-L, Lin S-K, Lee TY, Liu C-P. Doppler tissue imaging and color M-mode flow propagation velocity: are they really preload independent? 2005;18:1277-84
Hsu L-A (*see* Wang et al). 2005;18:913-8
Huang W-C (*see* Hsiao et al). 2005;18:1254-9
Huang W-C (*see* Hsiao et al). 2005;18:1277-84
Hude P (*see* Meluzin et al). 2005;18:435-44
Husic M, Nørager B, Egstrup K, Møller JE. Serial changes in regional diastolic left ventricular function after a first acute myocardial infarction. 2005;18:1173-80
Hwang PM (*see* Matoba et al). 2005;18:148-54
Hynes MS, Mesana TG, Burwash IG. Retained left atrial catheter: a case report and review of the literature. 2005;18:1423.e9-1 (Case rep.)

I

Iglesias-Garriz I, Rodríguez MA, García-Porrero E, Ereño F, Garrote C, Suarez G. Emergency nontraumatic chest pain: use of stress echocardiography to detect significant coronary artery stenosis. 2005;18:1181-6
Ihm S-H (*see* Youn et al). 2005;18:128-32
Ikeoka M (*see* Miyake et al). 2005;18:980.e9-11 (Case rep.)
Imai K (*see* Orihashi et al). 2005;18:772.12-3 (Case rep.)
Inaba Y, Yuda S, Kobayashi N, Hashimoto A, Uno K, Nakata T, Tsuchihashi K, Miura T, Ura N, Shimamoto K. Strain rate imaging for noninvasive functional quantification of the ieft atrium: comparative studies in controls and patients with atrial fibrillation. 2005;18:729-36
Ingul CB, Stoylen A, Slordahl SA. Recovery of stunned myocardium in acute myocardial infarction quantified by strain rate imaging: a clinical study. 2005;18:401-10
Ingul CB, Torp H, Aase SA, Berg S, Stoylen A, Slordahl SA. Automated analysis of strain rate and strain: feasibility and clinical implications. 2005;18:411-8
Innocenti F (*see* Palmieri et al). 2005;18:99-106
Inoue M (*see* Popović et al). 2005;18:959-63
Irwin W (*see* Kalaria et al). 2005;18:1107-11 (Review article)
Ishikura F, Sakata Y, Sakata Y, Hirayama A, Beppu S, Kodama K. Myocardial contrast echocardiography assessment of acute changes in collateral perfusion of contralateral coronary artery with coronary flow reserve after coronary angioplasty. 2005;18:697-703
Ishikura F (*see* Hirano et al). 2005;18:907-12
Ito S (*see* Kimura et al). 2005;18:1222-9 (Review article)
Iung B (*see* Messika-Zeitoun et al). 2005;18:1409-14
Ivanov J (*see* Eriksson et al). 2005;18:1014-22

J

Jacob S (*see* Kalaria et al). 2005;18:1107-11 (Review article)
Jacobs IB (*see* Bahler et al). 2005;18:666-73
Jamorski M (*see* Yang et al). 2005;18:1074-82
Janardhanan R (*see* Greaves et al). 2005;18:620-5
Janardhanan R (*see* Lim et al). 2005;18:1203-7
Jander N, Minners J, Arentz T, Görnandt L, Fürmaier R, Kalusche D, Neumann FJ. Transesophageal echocardiography in comparison with magnetic resonance imaging in the diagnosis of pulmonary vein stenosis after radiofrequency ablation therapy. 2005;18:654-9
Jeetley P (*see* Greaves et al). 2005;18:620-5
Jenkins C, Bricknell K, Marwick TH. Use of real-time three-dimensional echocardiography to measure left atrial volume: comparison with other echocardiographic techniques. 2005;18:991-7 (Cardiac sonog. comm.)
Jenkins C (*see* Moir et al). 2005;18:1187-93
Jenni R (*see* Abay et al). 2005;18:1106 (Case rep.)
Jenni R (*see* Frischknecht et al). 2005;18:865-72
Jeon H-K (*see* Youn et al). 2005;18:128-32
Jeon H-K (*see* Youn et al). 2005;18:1093-8
Ji RP, Phoon CKL. Noninvasive localization of nuclear factor of activated T cells c1—/— mouse embryos by ultrasound biomicroscopy-Doppler allows genotype-phenotype correlation. 2005;18:1415-21
Jin XY (*see* Dawson et al). 2005;18:192-3 (Case rep.)
Johann C (*see* Anjaneyulu et al). 2005;18:686-92
Johnson BD (*see* Kjaergaard et al). 2005;18:1373-80
Jollis JG (*see* Brosnan et al). 2005;18:1381-4
Jones M (*see* Bauer et al). 2005;18:795-801
Jones M (*see* Qin et al). 2005;18:1037-43
Jost CHA (*see* Frischknecht et al). 2005;18:865-72
Jung H-O (*see* Youn et al). 2005;18:128-32
Jung H-O (*see* Youn et al). 2005;18:1093-8
Jung J-H (*see* Lee et al). 2005;18:1349-54

K

Kaiser H-J (*see* Hoffmann et al). 2005;18:330-5
Kaji S (*see* Neishi et al). 2005;18:15-9
Kalaria VG, Jacob S, Irwin W, Schainfeld RM. Duplex ultrasonography of vertebral and subclavian arteries. 2005;18:1107-11 (Review article)
Kalusche D (*see* Jander et al). 2005;18:654-9
Kaneko S (*see* Omi et al). 2005;18:39-44
Kang D-H (*see* Kang et al). 2005;18:815-20
Kang S-J, Lee EY, Song J-K, Do K-H, Seo JB, Lim T-H, Song J-M, Kang D-H, Kim Y-H, Lee CW, Hong M-K, Park S-W, Park S-J. Assessment of papillary muscle function in patients with inferior wall myocardial infarction using Doppler tissue imaging. 2005;18:815-20
Kaplan S (*see* Yilmaz et al). 2005;18:632-7
Karaagaoglu E (*see* Özer et al). 2005;18:1362-5
Karadzic A (*see* Radovanovic et al). 2005;18:1355-61
Karakok M (*see* Davutoglu et al). 2005;18:185-7 (Case rep.)
Karamlou T (*see* Pemberton et al). 2005;18:956-8
Karvounis HI, Papadopoulos CE, Ketikoglou DG, Zaglavara TA, Parharidis GE, Louridas GE. Usefulness of low-dose dobutamine stress echocardiography for the evaluation of spontaneous recovery of stunned myocardium in patients with acute right ventricular infarction. 2005;18:351-6
Kasap H (*see* Yilmaz et al). 2005;18:632-7
Kasprzak JD (*see* Drozdz et al). 2005;18:789-94
Kasprzak JD (*see* Płońska et al). 2005;18:749-56
Kasza K (*see* DeCara et al). 2005;18:257-63
Katus H (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Katz AS (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Kawamoto T (*see* Neishi et al). 2005;18:15-9
Keating RJ, Bhatia S, Amin S, Williams A, Sinak LJ, Edwards WD. Hydroxychloroquine-induced cadiotoxicity in a 39-year-old woman with systemic lupus erythematosus and systolic dysfunction. 2005;18:981.e12-6 (Case rep.)
Kececioglu D (*see* Boettler et al). 2005;18:1121-30
Kehoe V (*see* Gao et al). 2005;18:626-31
Keirns C (*see* Muñoz-Castellanos et al). 2005;18:237-43
Keller A (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Kenny A (*see* Pemberton et al). 2005;18:1030-6
Kerber RE (*see* Boddicker and Kerber). 2005;18:357-61
Kerber RE (*see* Kronzon et al). 2005;18:213-5
Kes S (*see* Özer et al). 2005;18:381-3 (Case rep.)

Kes S (*see* Özer et al). 2005;18:945-8
Kes SS (*see* Özer et al). 2005;18:1362-5
Ketchum D (*see* Cardis et al). 2005;18:660-5
Ketikoglou DG (*see* Karvounis et al). 2005;18:351-6
Khandheria B (*see* Takemoto et al). 2005;18:901-6
Khandheria B (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Khandheria BK (*see* Agmon et al). 2005;18:175-82
Khandheria BK (*see* Sengupta et al). 2005;18:226-30
Khandheria BK (*see* Sengupta et al). 2005;18:737-42
Khandheria BK (*see* Sengupta et al). 2005;18:757-60
Khanna A, Barberena J, Skolnick D. An unusual case of shunting across the atrial septum after mitral valve repair. 2005;18:78-9 (Case rep.)
Khush K, Kopelnik A, Tung P, Banki N, Dae M, Lawton M, Smith W, Drew B, Foster E, Zaroff J. Age and aneurysm position predict patterns of left ventricular dysfunction after subarachnoid hemorrhage. 2005;18:168-74
Kidd GM (*see* Gilman et al). 2005;18:773-7 (Special article)
Kiliç H (*see* Özer et al). 2005;18:1362-5
Kilickap M (*see* Turhan et al). 2005;18:694.e11-3 (Case rep.)
Kim H-K, Bae J-W, Chung J-W, Cho YM, Kim Y-J, Sohn D-W, Park Y-B. Differences in the immediate effects of smoking on left ventricular diastolic function between healthy volunteers and patients with type 2 diabetes mellitus. 2005;18:320-5
Kim J-H (*see* Youn et al). 2005;18:128-32
Kim J-H (*see* Youn et al). 2005;18:1093-8
Kim Y-H (*see* Kang et al). 2005;18:815-20
Kim Y-J (*see* Kim et al). 2005;18:320-5
Kimball TR (*see* Ayres et al). 2005;18:91-8 (ASE report)
Kimura E, Tabata T, Tanaka H, Harada K, Yamada H, Nomura M, Oki T, Ito S. Left ventricular geometry and myocardial contractility in patients with essential hypertension evaluated by myocardial velocity profile. 2005;18:1222-9 (Review article)
Kincl V (*see* Meluzin et al). 2005;18:435-44
King DL (*see* Maurer et al). 2005;18:1051-7
Kirby S (*see* Das et al). 2005;18:231-6
Kirkpatrick JN (*see* DeCara et al). 2005;18:257-63
Kirkpatrick JN (*see* Everett et al). 2005;18:194-6 (Case rep.)
Kisanuki A (*see* Yuasa et al). 2005;18:20-5
Kishi K (*see* Ohara et al). 2005;18:638-43
Kitabatake A (*see* Komuro et al). 2005;18:26-31
Kitayama H (*see* Miyake et al). 2005;18:980.e9-11 (Case rep.)
Kjaergaard J, Hassager C, Oh JK, Kristensen JH, Berning J, Sogaard P. Measurement of cardiac time intervals by Doppler tissue M-mode imaging of the anterior mitral leaflet. 2005;18:1058-65
Kjaergaard J, Johnson BD, Pellikka PA, Cha SS, Oh JK, Ommen SR. Left atrial index is a predictor of exercise capacity in patients with hypertrophic cardiomyopathy. 2005;18:1373-80
Kjaergaard J (*see* Korinek et al). 2005;18:1247-53
Klarich KW (*see* Gilman et al). 2005;18:490-1 (Case rep.)
Klarich KW (*see* Gilman et al). 2005;18:773-7 (Special article)
Klarich KW (*see* McCully et al). 2005;18:644-8
Knirsch W (*see* Boettler et al). 2005;18:1121-30
Knudson OA Jr (*see* Das et al). 2005;18:231-6
Ko HH (*see* Lytrivi et al). 2005;18:1099-104
Kobal S (*see* Neuman et al). 2005;18:771.e1-3 (Case rep.)
Kobayashi N (*see* Inaba et al). 2005;18:729-36
Koch R (*see* Caiani et al). 2005;18:779-88
Kodama K (*see* Ishikura et al). 2005;18:697-703
Kolli S, Ziaee A, Lee R, Lim MJ, Levy B, Lobovitz AJ. Myofibroblastic sarcoma of mitral valve: a case report. 2005;18:285-6 (Case rep.)
Komuro I (*see* Daimon et al). 2005;18:949-55
Komuro K, Yamada S, Mikami T, Yoshinaga K, Noriyasu K, Goto K, Onozuka H, Urasawa K, Fujii S, Tamaki N, Kitabatake A. Sensitive detection of myocardial viability in chronic coronary artery disease by ultrasonic integrated backscatter analysis. 2005;18:26-31
Konstantinov IE (*see* Shimizu et al). 2005;18:461-7
Konstantinov IE (*see* Shimizu et al). 2005;18:1241-6
Kopelnik A (*see* Khush et al). 2005;18:168-74
Korcarz CE (*see* Bierig et al). 2005;18:264-7
Korcarz CE (*see* Mitchell and Korcarz). 2005;18:367-9
Korcarz CE (*see* Stein et al). 2005;18:244-51
Korinek J, Wang J, Sengupta PP, Miyazaki C, Kjaergaard J, McMahon E, Abraham TP, Belohlavek M. Two-dimensional strain—a Doppler-independent ultrasound method for quantitation of regional deformation: validation in vitro and in vivo. 2005;18:1247-53
Korinek J (*see* Urheim et al). 2005;18:839-43
Kornacewicz-Jach Z (*see* Płońska et al). 2005;18:749-56
Korosoglou G (*see* Hansen et al). 2005;18:1213-20
Kort S (*see* Makaryus et al). 2005;18:475-80
Kort S (*see* Mittle et al). 2005;18:695.e14-7 (Case rep.)
Koskenvuo JW (*see* Saraste et al). 2005;18:679-85
Kostic J (*see* Radovanovic et al). 2005;18:1355-61
Kovalchin JP (*see* Eidem et al). 2005;18:830-8
Krejci J (*see* Meluzin et al). 2005;18:435-44
Kreutter S (*see* Weidenbach et al). 2005;18:362-6
Krishnamraju P (*see* Anjaneyulu et al). 2005;18:686-92
Krishnaswamy R (*see* Anjaneyulu et al). 2005;18:686-92
Kristensen JH (*see* Kjaergaard et al). 2005;18:1058-65
Kronzon I, Tunick PA, Scholten MF, Kerber RE, Roelandt JRTC. Combined transesophageal echocardiography and transesophageal cardioversion probe: technical aspects. 2005;18:213-5
Kronzon I (*see* Perk et al). 2005;18:979.e3-4 (Case rep.)
Krzemińska-Pakuøla M (*see* Drozdz et al). 2005;18:789-94
Kucukosmanoglu M (*see* Yilmaz et al). 2005;18:632-7
Kuecherer HF (*see* Hansen et al). 2005;18:1213-20
Kühl H (*see* Hoffmann et al). 2005;18:330-5
Kumanohoso T (*see* Yuasa et al). 2005;18:20-5
Kume T (*see* Neishi et al). 2005;18:15-9
Kuo C-T (*see* Wang et al). 2005;18:913-8
Kutter S (*see* Bierig et al). 2005;18:1329-34
Kuwabara Y (*see* Daimon et al). 2005;18:949-55
Kuwahara E (*see* Yuasa et al). 2005;18:20-5
Kwan J (*see* Popović et al). 2005;18:959-63

L

Laborde F (*see* Veyrat et al). 2005;18:821-9
Labovitz AJ (*see* Bierig et al). 2005;18:1329-34
Lafitte S (*see* Thibault et al). 2005;18:1321-8
Lai W-T (*see* Su et al). 2005;18:1023-9
Lai W-T (*see* Voon et al). 2005;18:221-5
Lai W-T (*see* Voon et al). 2005;18:326-9
Lai WW (*see* Lytrivi et al). 2005;18:1099-104
Lam CSP, Han L, Ha J-W, Oh JK, Ling LH. The mitral L wave: a marker of pseudonormal filling and predictor of heart failure in patients with left ventricular hypertrophy. 2005;18:336-41
Lamaison D (*see* Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Lamers L, Ensing G, Pignatelli R, Goldberg C, Bezold L, Ayres N, Gajarski R. A prospective assessment of myocardial contractility in young African Americans: does ethnicity impact the wall stress-heart rate-corrected velocity of circumferential fiber shortening relationship? 2005;18:743-8
Lammertin G (*see* DeCara et al). 2005;18:1266-9
Lammertin G (*see* Toledo et al). 2005;18:1304-11
Lammertin G (*see* Toledo et al). 2005;18:1312-20
Lang RM, Bierig M, Devereux RB, Flachskampf FA, Foster E, Pellikka PA, Picard MH, Roman MJ, Seward J, Shanewise JS, Solomon SD, Spencer KT, St John Sutton M, Stewart WJ. Recommendations for chamber quantification: a report from the American Society of Echocardiography's Guidelines and Standards Committee and the Chamber Quantification Writing Group, developed in conjunction with the European Association of Echocardiography, a branch of the European Society of Cardiology. 2005;18:1440-63 (ASE committee recommendations)
Lang RM (*see* Caiani et al). 2005;18:779-88
Lang RM (*see* Caiani et al). 2005;18:1292-8
Lang RM (*see* DeCara et al). 2005;18:257-63
Lang RM (*see* DeCara et al). 2005;18:1266-9

Lang RM (*see* Everett et al). 2005;18:194-6 (Case rep.)
Lang RM (*see* Min et al). 2005;18:925-9
Lang RM (*see* Toledo et al). 2005;18:1304-11
Lang RM (*see* Toledo et al). 2005;18:1312-20
Lang RM (*see* Ward et al). 2005;18:844-9
Lange A (*see* Palka et al). 2005;18:107-15
Larrazet F (*see* Veyrat et al). 2005;18:821-9
Larsson H (*see* Malm et al). 2005;18:1044-50
Latsios G (*see* Brili et al). 2005;18:1149-54
Lavine SJ. Effect of heart rate and preload on index of myocardial performance in the normal and abnormal left ventricle. 2005;18:133-41
Lavine SJ. Index of myocardial performance is afterload dependent in the normal and abnormal left ventricle. 2005;18:342-50
Lawton M (*see* Khush et al). 2005;18:168-74
LeBlanc A-R (*see* de Chantal et al). 2005;18:1299-303
LeCaire T (*see* Stein et al). 2005;18:244-51
Lee CW (*see* Kang et al). 2005;18:815-20
Lee EY (*see* Kang et al). 2005;18:815-20
Lee J-M (*see* Youn et al). 2005;18:128-32
Lee J-M (*see* Youn et al). 2005;18:1093-8
Lee K-H (*see* Lee et al). 2005;18:1349-54
Lee K-T (*see* Voon et al). 2005;18:221-5
Lee M-Y (*see* Voon et al). 2005;18:326-9
Lee N (*see* Lee et al). 2005;18:1349-54
Lee R (*see* Kolli et al). 2005;18:285-6 (Case rep.)
Lee S (*see* Yuasa et al). 2005;18:20-5
Lee SH, Jung J-H, Choi S-H, Lee N, Oh D-J, Ryu K-H, Rhim C-Y, Lee K-H, Lee Y. Exercise intolerance in patients with atrial fibrillation: clinical and echocardiographic determinants of exercise capacity. 2005;18:1349-54
Lee TY (*see* Hsiao et al). 2005;18:1254-9
Lee TY (*see* Hsiao et al). 2005;18:1277-84
Lee Y (*see* Lee et al). 2005;18:1349-54
Lekowski RW Jr (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Lerakis G (*see* Han et al). 2005;18:718-21
Lerakis S (*see* Han et al). 2005;18:718-21
Lerakis S (*see* Patel et al). 2005;18:486-9 (Case rep.)
Lester SJ (*see* Reuss et al). 2005;18:1343-8
Levy B (*see* Kolli et al). 2005;18:285-6 (Case rep.)
Li J (*see* Gao et al). 2005;18:626-31
Li J (*see* Pu et al). 2005;18:468-74
Li J (*see* Qin et al). 2005;18:1037-43
Li J (*see* Shimizu et al). 2005;18:1241-6
Li X (*see* Ge et al). 2005;18:1-7
Li X (*see* Pemberton et al). 2005;18:956-8
Li X (*see* Pemberton et al). 2005;18:1030-6
Li X (*see* Ge et al). 2005;18:1-7
Lim DS (*see* McCulloch et al). 2005;18:768-70
Lim MJ (*see* Kolli et al). 2005;18:285-6 (Case rep.)
Lim T (*see* Greaves et al). 2005;18:620-5
Lim T-H (*see* Kang et al). 2005;18:815-20
Lim TK, Burden L, Janardhanan R, Ping C, Moon J, Pennell D, Senior R. Improved accuracy of low-power contrast echocardiography for the assessment of left ventricular remodeling compared with unenhanced harmonic echocardiography after acute myocardial infarction: comparison with cardiovascular magnetic resonance imaging. 2005;18:1203-7
Limongelli G (*see* Di Salvo et al). 2005;18:122-7
Lin C-T (*see* Voon et al). 2005;18:326-9
Lin K-H (*see* Wang et al). 2005;18:913-8
Lin S-K (*see* Hsiao et al). 2005;18:1254-9
Lin S-K (*see* Hsiao et al). 2005;18:1277-84
Lin T-H (*see* Su et al). 2005;18:1023-9
Lin T-H (*see* Voon et al). 2005;18:221-5
Lin T-H (*see* Voon et al). 2005;18:326-9
Ling LH (*see* Lam et al). 2005;18:336-41
Lipiec P (*see* Drozdz et al). 2005;18:789-94
Liu C-P (*see* Hsiao et al). 2005;18:1254-9
Liu C-P (*see* Hsiao et al). 2005;18:1277-84
Liu H (*see* Ristow et al). 2005;18:885-91
Lobovitz AJ (*see* Kolli et al). 2005;18:285-6 (Case rep.)
Locke A (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Longaker RA (*see* Dawn et al). 2005;18:199-205
Louridas GE (*see* Karvounis et al). 2005;18:351-6
Lüderitz B (*see* Bernhardt et al). 2005;18:649-53
Lüderitz B (*see* Bernhardt et al). 2005;18:919-24
Luo H (*see* Neuman et al). 2005;18:771.e1-3 (Case rep.)
Lupi-Herrera E (*see* Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)
Luqman N (*see* Wang et al). 2005;18:913-8
Lusawa T (*see* Hoffman et al). 2005;18:771.e4-7 (Case rep.)
Lusson J-R (*see* Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Luthringer D (*see* Naqvi et al). 2005;18:384-8 (Case rep.)
Luthringer D (*see* Neuman et al). 2005;18:771.e1-3 (Case rep.)
Luycx-Bore A (*see* Meimoun et al). 2005;18:49-56
Luycx-Bore A (*see* Meimoun et al). 2005;18:1233-40
Lytrivi ID, Lai WW, Ko HH, Nielsen JC, Parness IA, Srivastava S. Color Doppler tissue imaging for evaluation of right ventricular systolic function in patients with congenital heart disease. 2005;18:1099-104

M

Macaya C (*see* Perez de Isla et al). 2005;18:57-62
Macaya C (*see* Perez De Isla et al). 2005;18:802-4
MacDonald ST, Mitchell ARJ, Timperley J, Forfar JC. Left ventricular pseudoaneurysm and rupture after limited myocardial infarction. 2005;18:980.e5-8 (Case rep.)
MacEneaney P (*see* Caiani et al). 2005;18:779-88
Macgowan CK (*see* Nii et al). 2005;18:805-14
MacIsaac AI (*see* D'Souza et al). 2005;18:445-53
Mady C (*see* Tsutsui et al). 2005;18:188-91 (Case rep.)
Mahle WT (*see* Cardis et al). 2005;18:660-5
Mahoney DW (*see* McCully et al). 2005;18:644-8
Mahoney LT (*see* Bu et al). 2005;18:299-305
Maitre B (*see* Meimoun et al). 2005;18:49-56
Makaryus AN, Zubrow ME, Gillam LD, Michelakis N, Phillips L, Ahmed S, Friedman D, Sison C, Kort S, Rosman D, Mangion JR. Contrast echocardiography improves the diagnostic yield of transthoracic studies performed in the intensive care setting by novice sonographers. 2005;18:475-80
Makaryus AN (*see* Mittle et al). 2005;18:695.e14-7 (Case rep.)
Malangatana G (*see* Perez De Isla et al). 2005;18:802-4
Malm S, Sagberg E, Larsson H, Skjærpe T. Choosing apical long-axis instead of two-chamber view gives more accurate biplane echocardiographic measurements of left ventricular ejection fraction: a comparison with magnetic resonance imaging. 2005;18:1044-50
Malouf JF, Ballo M, Connolly HM, Hodge DO, Herges RM, Mullany CJ, Miller FA Jr. Doppler echocardiography of 119 normal-functioning St Jude Medical mitral valve prostheses: a comprehensive assessment including time-velocity integral ratio and prosthesis performance index. 2005;18:252-6
Malouf JF, Ballo M, Hodge DO, Herges RM, Orszulak TA, Miller FA Jr. Doppler echocardiography of normal Starr-Edwards mitral prostheses: a comprehensive function assessment including continuity equation and time-velocity integral ratio. 2005;18:1399-403
Mangion JR (*see* Makaryus et al). 2005;18:475-80
Maniet A (*see* Bierig et al). 2005;18:1329-34
Marchevsky A (*see* Naqvi et al). 2005;18:384-8 (Case rep.)
Mariani M (*see* Giorgi et al). 2005;18:8-14
Mariani MA (*see* Giorgi et al). 2005;18:8-14
Marinkovic J (*see* Radovanovic et al). 2005;18:1355-61
Maroula E (*see* Boettler et al). 2005;18:1121-30
Martin GR (*see* Spurney et al). 2005;18:313-9
Martin M (*see* Popović et al). 2005;18:959-63
Martin RP (*see* Han et al). 2005;18:718-21
Martin RP (*see* Patel et al). 2005;18:486-9 (Case rep.)
Martínez-Sánchez C (*see* Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)

Maruyama M (*see* Omi et al). 2005;18:39-44
Marwick TH (*see* Jenkins et al). 2005;18:991-7 (Cardiac sonog. comm.)
Marwick TH (*see* Moir et al). 2005;18:1187-93
Mascherbauer J, Rosenhek R, Bittner B, Binder J, Simon P, Maurer G, Schima H, Baumgartner H. Doppler echocardiographic assessment of valvular regurgitation severity by measurement of the vena contracta: an in vitro validation study. 2005;18:999-1006
Mataix L (*see* Perez De Isla et al). 2005;18:802-4
Mathias W Jr (*see* Rodrigues et al). 2005;18:116-21
Mathias W Jr (*see* Tsutsui et al). 2005;18:188-91 (Case rep.)
Matoba S, Hwang PM, Nguyen T, Shizukuda Y. Evaluation of pulsed Doppler tissue velocity imaging for assessing systolic function of murine global heart failure. 2005;18:148-54
Matre K, Fannelop T, Dahle GO, Heimdal A, Grong K. Radial strain gradient across the normal myocardial wall in open-chest pigs measured with Doppler strain rate imaging. 2005;18:1066-73
Matsumoto T (*see* Miyake et al). 2005;18:980.e9-11 (Case rep.)
Matsuoka T (*see* Yuasa et al). 2005;18:20-5
Maurer G (*see* Mascherbauer et al). 2005;18:999-1006
Maurer MS, El Khoury Rumbarger L, King DL. Ventricular volume and length in hypertensive diastolic heart failure. 2005;18:1051-7
Mavrakis HE (*see* Patrianakos et al). 2005;18:979.e1-2 (Case rep.)
Mays ME (*see* Stein et al). 2005;18:244-51
Mazgalev TN (*see* Tabata et al). 2005;18:722-8
McCarthy PM (*see* Popović et al). 2005;18:959-63
McCarthy PM (*see* Tabata et al). 2005;18:722-8
McCrindle BW (*see* Shimizu et al). 2005;18:461-7
McCulloch MA, Gutgesell HP, Saulsbury FT, Hellems M, Hammill WW, Lim DS. Limitations of echocardiographic periarterial brightness in the diagnosis of Kawasaki disease. 2005;18:768-70
McCully RB, Ommen SR, Klarich KW, Burger KN, Mahoney DW, Pellikka PA. Prognosis of patients with good exercise capacity and mildly abnormal exercise echocardiography results: identification of an at-risk subgroup. 2005;18:644-8
McDicken WN (*see* Denvir et al). 2005;18:155-62
McDonough KM (*see* Ward et al). 2005;18:844-9
McMahon CJ (*see* Eidem et al). 2005;18:830-8
McMahon E (*see* Korinek et al). 2005;18:1247-53
McNab D (*see* Moir et al). 2005;18:1187-93
Medeiros CC (*see* Rodrigues et al). 2005;18:116-21
Mehta V (*see* Sengupta et al). 2005;18:226-30
Mehta V (*see* Sengupta et al). 2005;18:737-42
Mehta V (*see* Trehan et al). 2005;18:964-9
Meimoun P, Benali T, Sayah S, Luycx-Bore A, Boulanger J, Zemir H, Tribouilloy C. Evaluation of left anterior descending coronary artery stenosis of intermediate severity using transthoracic coronary flow reserve and dobutamine stress echocardiography. 2005;18:1233-40
Meimoun P, Benali T, Sayah S, Luycx-Bore A, Maitre B, Tribouilloy C. Significance of systolic anterior motion of the mitral valve during dobutamine stress echocardiography. 2005;18:49-56
Meissner I (*see* Agmon et al). 2005;18:175-82
Meizels A (*see* Messika-Zeitoun et al). 2005;18:1409-14
Melani RH (*see* Pontes et al). 2005;18:427-34
Meluzin J, Spinarová L, Hude P, Krejčí J, Kincl V, Panovský R, Dusek L. Prognostic importance of various echocardiographic right ventricular functional parameters in patients with symptomatic heart failure. 2005;18:435-44
Merckx KL, De Vos CB, Palmans A, Habets J, Cheriex EC, Crijns HJGM, Tieleman RG. Atrial activation time determined by transthoracic Doppler tissue imaging can be used as an estimate of the total duration of atrial electrical activation. 2005;18:940-4
Mereles D (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Mesana TG (*see* Hynes et al). 2005;18:1423.e9-1 (Case rep.)
Messika-Zeitoun D, Meizels A, Cachier A, Scheuble A, Fondard O, Brochet E, Cormier B, Iung B, Vahanian A. Echocardiographic evaluation of the mitral valve area before and after percutaneous mitral commissurotomy: the pressure half-time method revisited. 2005;18:1409-14
Michelakis N (*see* Makaryus et al). 2005;18:475-80
Miglioransa MH (*see* Moreira et al). 2005;18:206-12
Mikami T (*see* Komuro et al). 2005;18:26-31
Milazzo F (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)
Miller FA Jr (*see* Malouf et al). 2005;18:252-6
Miller FA Jr (*see* Malouf et al). 2005;18:1399-403
Miller-Hance W (*see* Ayres et al). 2005;18:91-8 (ASE report)
Milo S (*see* Dabbah et al). 2005;18:882.e3-6 (Case rep.)
Min JK, Spencer KT, Furlong KT, DeCara JM, Sugeng L, Ward RP, Lang RM. Clinical features of complications from transesophageal echocardiography: a single-center case series of 10,000 consecutive examinations. 2005;18:925-9
Min JK (*see* Ward et al). 2005;18:844-9
Minagoe S (*see* Yuasa et al). 2005;18:20-5
Minette MS (*see* Pemberton et al). 2005;18:1030-6
Minich LL (*see* Ayres et al). 2005;18:91-8 (ASE report)
Mininni N (*see* Pascotto et al). 2005;18:481-2 (Case rep.)
Minners J (*see* Jander et al). 2005;18:654-9
Mirza IH (*see* Timperley et al). 2005;18:163-7
Mitchell ARJ (*see* Dawson et al). 2005;18:192-3 (Case rep.)
Mitchell ARJ (*see* MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Mitchell ARJ (*see* Timperley et al). 2005;18:163-7
Mitchell C, Korcarz CE. The advantages of becoming a clinical site for ultrasound schools. 2005;18:367-9
Mitrovic P (*see* Radovanovic et al). 2005;18:1355-61
Mittle S, Makaryus AN, Boutis L, Hartman A, Rosman D, Kort S. Right-sided myxomas. 2005;18:695.e14-7 (Case rep.)
Miura T (*see* Inaba et al). 2005;18:729-36
Miyake T, Kitayama H, Shinohara T, Ikeoka M, Takemura T, Matsumoto T. Aneurysmal formation induced by membranous tissue in infundibular ventricular septal defect. 2005;18:980.e9-11 (Case rep.)
Miyamoto T (*see* Neuman et al). 2005;18:771.1-3 (Case rep.)
Miyazaki C (*see* Korinek et al). 2005;18:1247-53
Modesto KM (*see* Takemoto et al). 2005;18:901-6
Mohan JC (*see* Sengupta et al). 2005;18:226-30
Mohan JC (*see* Sengupta et al). 2005;18:737-42
Mohyuddin T (*see* Bahler et al). 2005;18:666-73
Moir S, Haluska BA, Jenkins C, McNab D, Marwick TH. Myocardial blood volume and perfusion reserve responses to combined dipyridamole and exercise stress: a quantitative approach to contrast stress echocardiography. 2005;18:1187-93
Moises VA (*see* Cury et al). 2005;18:454-60
Molina-Carrión M (*see* Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)
Møller JE (*see* Husic et al). 2005;18:1173-80
Monakier D (*see* Yang et al). 2005;18:1074-82
Montori VM (*see* Riegert-Johnson et al). 2005;18:394-7
Montorsi E (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)
Moon J (*see* Lim et al). 2005;18:1203-7
Mooney DJ (*see* D'Souza et al). 2005;18:445-53
Mor-Avi V (*see* Caiani et al). 2005;18:779-88
Mor-Avi V (*see* Caiani et al). 2005;18:1292-8
Mor-Avi V (*see* Toledo et al). 2005;18:1304-11
Mor-Avi V (*see* Toledo et al). 2005;18:1312-20
Moreira DAR (*see* Pontes et al). 2005;18:427-34
Moreira FC, Miglioransa MH, Hartmann IB, Rohde LE. Left atrial appendage assessment by second harmonic transthoracic echocardiography after an acute ischemic neurologic event. 2005;18:206-12
Moreno CA (*see* Reuss et al). 2005;18:1343-8
Morhy SS (*see* Rodrigues et al). 2005;18:116-21
Morichetti MC (*see* Vitarelli et al). 2005;18:1424-39 (Review article)
Morioka S (*see* Ueda et al). 2005;18:1163-72
Motreff P (*see* Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Movahed M-R (*see* Donohue et al). 2005;18:1423.e1-8 (Case rep.)

Mueller S (*see* Hansen et al). 2005;18:1213-20
Mukhopadhyay S (*see* Trehan et al). 2005;18:964-9
Mullany CJ (*see* Malouf et al). 2005;18:252-6
Müller M (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Munns S (*see* Bu et al). 2005;18:299-305
Muñoz-Castellaños L, Espinola-Zavaleta N, Keirns C. Anatomo-echocardiographic correlation double inlet left ventricle. 2005;18:237-43
Muro T (*see* Otsuka et al). 2005;18:704-9
Murphy AT (*see* Gilman et al). 2005;18:773-7 (Special article)
Muth G (*see* Weidenbach et al). 2005;18:362-6

N

Nagai H (*see* Omi et al). 2005;18:39-44
Nakata T (*see* Inaba et al). 2005;18:729-36
Naqvi TZ, Boyatt J, Siegel RJ. Predictors of mortality in paravalvular abscess. 2005;18:1404-8
Naqvi TZ, Luthringer D, Marchevsky A, Saouf R, Gul K, Buchbinder NA. Chloroquine-induced cardiomyopathy—echocardiographic features. 2005;18:384-8 (Case rep.)
Nardi C (*see* Giorgi et al). 2005;18:8-14
Nazli N (*see* Abali et al). 2005;18:1260-5
Neishi Y, Akasaka T, Tsukiji M, Kume T, Wada N, Watanabe N, Kawamoto T, Kaji S, Yoshida K. Reduced coronary flow reserve in patients with congestive heart failure assessed by transthoracic Doppler echocardiography. 2005;18:15-9
Nelson JM (*see* Gilman et al). 2005;18:773-7 (Special article)
Neuman Y, Tolstrup K, Blanche C, Luthringer D, Kobal S, Miyamoto T, Luo H, Siegel RJ. Pseudomyxoma originating from the interatrial septum in a heart transplant patient. 2005;18:771.e1-3 (Case rep.)
Neumann FJ (*see* Jander et al). 2005;18:654-9
Ng K-S (*see* Gill et al). 2005;18:492-3 (Case rep.)
Nguyen BL (*see* Vitarelli et al). 2005;18:1424-39 (Review article)
Nguyen T (*see* Matoba et al). 2005;18:148-54
Nielsen JC (*see* Lytrivi et al). 2005;18:1099-104
Nigam A (*see* Trehan et al). 2005;18:964-9
Nii M, Roman KS, Macgowan CK, Smallhorn JF. Insight into normal mitral and tricuspid annular dynamics in pediatrics: a real-time three-dimensional echocardiographic study. 2005;18:805-14
Nii M (*see* Shimizu et al). 2005;18:1241-6
Nomura M (*see* Kimura et al). 2005;18:1222-9 (Review article)
Nørager B (*see* Husic et al). 2005;18:1173-80
Noriyasu K (*see* Komuro et al). 2005;18:26-31
Novaro GM (*see* Donal et al). 2005;18:1392-8
Nowak B (*see* Hoffmann et al). 2005;18:330-5
Nunes F (*see* Pontes et al). 2005;18:427-34
Nunes MdCP, Barbosa MM, Rocha MOC. Peculiar aspects of cardiogenic embolism in patients with Chagas' cardiomyopathy: a transthoracic and transesophageal echocardiographic study. 2005;18:761-7
Nyman M (*see* Raboisson et al). 2005;18:375-80

O

Occleshaw CJ (*see* Gentles et al). 2005;18:1131-6
Ochiai Y (*see* Tabata et al). 2005;18:722-8
Oechslin E (*see* Abay et al). 2005;18:1106 (Case rep.)
Oechslin EN (*see* Frischknecht et al). 2005;18:865-72
O'Fallon WM (*see* Agmon et al). 2005;18:175-82
Ogawa M (*see* Harada et al). 2005;18:370-4
Oh D-J (*see* Lee et al). 2005;18:1349-54
Oh JK (*see* Ha et al). 2005;18:63-8
Oh JK (*see* Kjaergaard et al). 2005;18:1058-65
Oh JK (*see* Kjaergaard et al). 2005;18:1373-80
Oh JK (*see* Lam et al). 2005;18:336-41
Oh JK (*see* Tom et al). 2005;18:282-4 (Case rep.)
Oh Y-S (*see* Youn et al). 2005;18:128-32
Oh Y-S (*see* Youn et al). 2005;18:1093-8
Ohara Y, Hiasa Y, Hosokawa S, Suzuki N, Takahashi T, Kishi K, Ohtani R. Ultrasonic tissue characterization predicts left ventricular remodeling in patients with acute anterior myocardial infarction after primary coronary angioplasty. 2005;18:638-43
Ohtani R (*see* Ohara et al). 2005;18:638-43
Okada K (*see* Orihashi et al). 2005;18:772.12-3 (Case rep.)
Okajima M (*see* Omi et al). 2005;18:39-44
Oki T (*see* Kimura et al). 2005;18:1222-9 (Review article)
Okuda K (*see* Hirano et al). 2005;18:907-12
Okura S (*see* Omi et al). 2005;18:39-44
O'Leary PW (*see* Silvilairat et al). 2005;18:1137-42
O'Leary PW (*see* Silvilairat et al). 2005;18:1143-8
Olivares-Reyes A, Al-Kamme A. Lutembacher's syndrome with small atrial septal defect diagnosed by transthoracic and transesophageal echocardiography that underwent mitral valve replacement. 2005;18:1105.e1-3 (Case rep.)
Olschewski M (*see* Handke et al). 2005;18:1366-72
Olson JM (*see* Samad et al). 2005;18:896-900
Omi W, Nagai H, Takamura M, Okura S, Okajima M, Furusho H, Maruyama M, Sakagami S, Takata S, Kaneko S. Doppler tissue analysis of atrial electromechanical coupling in paroxysmal atrial fibrillation. 2005;18:39-44
Ommen SR (*see* Gilman et al). 2005;18:892-5
Ommen SR (*see* Ha et al). 2005;18:63-8
Ommen SR (*see* Kjaergaard et al). 2005;18:1373-80
Ommen SR (*see* McCully et al). 2005;18:644-8
Omran AS (*see* Eriksson et al). 2005;18:1014-22
Omran H (*see* Bernhardt et al). 2005;18:649-53
Omran H (*see* Bernhardt et al). 2005;18:919-24
Onozuka H (*see* Komuro et al). 2005;18:26-31
Orczykowski M (*see* Drozdz et al). 2005;18:789-94
Orihashi K, Sueda T, Okada K, Imai K. Thrombosed arch vessels after cardiac arrest because of pulmonary embolism. 2005;18:772.e12-3 (Case rep.)
Ormerod OO (*see* Dawson et al). 2005;18:192-3 (Case rep.)
Orszulak TA (*see* Malouf et al). 2005;18:1399-403
Osborn J (*see* Waggoner et al). 2005;18:216-20
Ostáriz ES (*see* Arrese et al). 2005;18:419-26
Ostojic M (*see* Radovanovic et al). 2005;18:1355-61
Ostrzega EL (*see* Puri et al). 2005;18:1106.e3-5 (Case rep.)
Otsuji Y (*see* Yuasa et al). 2005;18:20-5
Otsuka R, Watanabe H, Hirata K, Tokai K, Muro T, Hozumi T, Yoshiyama M, Yoshikawa J. A novel technique to detect total occlusion in the right coronary artery using retrograde flow by transthoracic Doppler echocardiography. 2005;18:704-9
Övünç K (*see* Özer et al). 2005;18:381-3 (Case rep.)
Övünç K (*see* Özer et al). 2005;18:945-8
Övünç K (*see* Özer et al). 2005;18:1362-5
Özcebe OI (*see* Abali et al). 2005;18:1260-5
Özer N, Çiftçi O, Demirci M, Atalar E, Övünç K, Aksöyek S, Özmen F, Kes S. Right ventricular outflow tract thrombus in a case of Behçet's disease. 2005;18:381-3 (Case rep.)
Özer N, Kiliç H, Arslan U, Atalar E, Aksöyek S, Övünç K, Ay H, Öztürk E, Karaagaoglu E, Tokgözoğlu L, Kes SS. Echocardiographic predictors of left atrial appendage spontaneous echocontrast in patients with stroke and atrial fibrillation. 2005;18:1362-5
Özer N, Yavuz B, Can I, Atalar E, Aksöyek S, Övünç K, Özmen F, Kes S. Doppler tissue evaluation of intra-atrial and interatrial electromechanical delay and comparison with P-wave dispersion in patients with mitral stenosis. 2005;18:945-8
Özmen F (*see* Özer et al). 2005;18:381-3 (Case rep.)
Özmen F (*see* Özer et al). 2005;18:945-8
Öztürk E (*see* Özer et al). 2005;18:1362-5

P

Pacileo G (*see* Caputo et al). 2005;18:884.e19 (Case rep.)
Pacileo G (*see* Di Salvo et al). 2005;18:122-7
Pacileo G (*see* Di Salvo et al). 2005;18:398-400
Pacileo G (*see* Di Salvo et al). 2005;18:930-3
Pai RG (*see* Puri et al). 2005;18:1106.e3-5 (Case rep.)
Paine D (*see* Stein et al). 2005;18:244-51
Paino R (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)

Palagi C (*see* Giorgi et al). 2005;18:8-14
Palecek T (*see* Dambrauskaite et al). 2005;18:1113-20
Palka P, Lange A, Galbraith A, Duhig E, Clarke BE, Parsonage W, Donnelly JE, Stafford WJ, Burstow DJ. The role of left and right ventricular early diastolic Doppler tissue echocardiographic indices in the evaluation of acute rejection in orthotopic heart transplant. 2005;18:107-15
Palma RA (*see* Hill and Palma). 2005;18:80-90 (Cardiac sonog. comm.)
Palmans A (*see* Bekkers et al). 2005;18:389-93
Palmans A (*see* Merckx et al). 2005;18:940-4
Palmieri V, Innocenti F, Pini R, Celentano A. Reproducibility of Doppler echocardiographic assessment of left ventricular diastolic function in multicenter setting. 2005;18:99-106
Palta M (*see* Stein et al). 2005;18:244-51
Pandian NG (*see* Sengupta et al). 2005;18:226-30
Pannala R (*see* Upadya et al). 2005;18:883.e10-4 (Case rep.)
Panovský R (*see* Meluzin et al). 2005;18:435-44
Panza JA (*see* Bauer et al). 2005;18:795-801
Panza JA (*see* Qin et al). 2005;18:1037-43
Papadopoulos CE (*see* Karvounis et al). 2005;18:351-6
Parharidis GE (*see* Karvounis et al). 2005;18:351-6
Pariente A (*see* Thibault et al). 2005;18:1194-202
Park C-S (*see* Youn et al). 2005;18:128-32
Park C-S (*see* Youn et al). 2005;18:1093-8
Park S-J (*see* Kang et al). 2005;18:815-20
Park S-W (*see* Kang et al). 2005;18:815-20
Park Y-B (*see* Kim et al). 2005;18:320-5
Parness IA (*see* Lytrivi et al). 2005;18:1099-104
Parsonage W (*see* Palka et al). 2005;18:107-15
Parthenakis FI (*see* Patrianakos et al). 2005;18:979.e1-2 (Case rep.)
Pascotto M, Severino S, Caso P, Covino F, Rossi G, Mininni N, Calabrò R. Conservative therapeutic approach in a case of coronary dissection extending into the aortic root complicating coronary angioplasty. 2005;18:481-2 (Case rep.)
Passariello R (*see* Tallarico et al). 2005;18:69-70 (Case rep.)
Patel AD, Lerakis S, Zacharoulis A, Martin RP. Coronary artery vasospasm during dobutamine stress echocardiography. 2005;18:486-9 (Case rep.)
Patrianakos AP, Parthenakis FI, Mavrakis HE, Zacharis EA, Vardas PE. Late left ventricular color M-mode Doppler in the assessment of diastolic dysfunction in patients with dilated cardiomyopathy. 2005;18:979.e1-2 (Case rep.)
Pauliks LB (*see* Das et al). 2005;18:231-6
Pellerin D (*see* Veyrat et al). 2005;18:821-9
Pellikka PA (*see* Chaowalit et al). 2005;18:275-7 (Case rep.)
Pellikka PA (*see* Ha et al). 2005;18:63-8
Pellikka PA (*see* Kjaergaard et al). 2005;18:1373-80
Pellikka PA (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Pellikka PA (*see* McCully et al). 2005;18:644-8
Pellikka PA (*see* Takemoto et al). 2005;18:901-6
Pemberton J, Li X, Hickey E, Karamlou T, Sandquist CA, Ungerleider R, Sahn DJ. Live real-time three-dimensional echocardiography for the visualization of myocardial perfusion—a pilot study in open-chest pigs. 2005;18:956-8
Pemberton J, Li X, Kenny A, Davies CH, Minette MS, Sahn DJ. Real-time 3-dimensional Doppler echocardiography for the assessment of stroke volume: an in vivo human study compared with standard 2-dimensional echocardiography. 2005;18:1030-6
Pennell D (*see* Lim et al). 2005;18:1203-7
Perez JE (*see* Rovner et al). 2005;18:494-8 (Case rep.)
Perez de Isla L, Florit J, Garcia-Fernandez MA, Evangelista A, Zamorano J, RAVE study investigators. Prevalence of echocardiographically detected ventricular asynchrony in patients with left ventricular systolic dysfunction. 2005;18:850-9
Perez de Isla L, Zamorano J, Almería C, Rodrigo JL, Villagómez D, Florit J, Aubele A, Macaya C. Long-term prognostic importance of transient left ventricular dilation during pharmacologic stress echocardiography. 2005;18:57-62
Perez De Isla L, Zamorano J, Malangatana G, Quesada MM, Almeria C, Rodrigo JL, Cordeiro P, Herrera D, Mataix L, Macaya C. Morphological determinants of subaortic stenosis in hypertrophic cardiomyopathy: insights from real-time 3-dimensional echocardiography. 2005;18:802-4
Perez de Isla L (*see* Caiani et al). 2005;18:779-88
Perk G, Yim J, Varkey M, Colvin SB, Tunick PA, Kronzon I. Cardiac cavernous hemangioma. 2005;18:979.e3-4 (Case rep.)
Petrucci N (*see* Gaibazzi et al). 2005;18:1270-6
Petsas AA (*see* Anastassiades et al). 2005;18:268-71 (Case rep.)
Petterson TM (*see* Agmon et al). 2005;18:175-82
Pharand C (*see* de Chantal et al). 2005;18:1299-303
Phillips L (*see* Makaryus et al). 2005;18:475-80
Phoon CKL (*see* Ji and Phoon). 2005;18:1415-21
Picard MH (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Pignatelli R (*see* Lamers et al). 2005;18:743-8
Pignatelli RH (*see* Eidem et al). 2005;18:830-8
Ping C (*see* Lim et al). 2005;18:1203-7
Pini R (*see* Palmieri et al). 2005;18:99-106
Pinto Y (*see* Bekkers et al). 2005;18:389-93
Pitsavos C (*see* Brili et al). 2005;18:1149-54
Pizzarello RA (*see* Alhaj et al). 2005;18:483-5 (Case rep.)
Plewka M (*see* Drozdz et al). 2005;18:789-94
Płońska E, Kasprzak JD, Kornacewicz-Jach Z. Long-term prognostic value of transesophageal atrial pacing stress echocardiography. 2005;18:749-56
Poerner T (*see* Haghi et al). 2005;18:75-7 (Case rep.)
Pokrajcic ZV (*see* Radovanovic et al). 2005;18:1355-61
Pontes SC Jr, Assef JE, Barretto RBM, Chaccur P, Moreira DAR, Da S Nina VJ, Nunes F, Melani RH, Correia EB, Dinkuisen J, Sousa AMR. Estimation of right ventricular mass by two-dimensional echocardiography. 2005;18:427-34
Popović ZB, Martin M, Fukamachi K, Inoue M, Kwan J, Doi K, Qin JX, Shiota T, Garcia MJ, McCarthy PM, Thomas JD. Mitral annulus size links ventricular dilatation to functional mitral regurgitation. 2005;18:959-63
Popović ZB (*see* Donal et al). 2005;18:1392-8
Powers KB (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Prince DJ (*see* Sengupta et al). 2005;18:757-60
Prior DL (*see* D'Souza et al). 2005;18:445-53
Prondzinsky R (*see* Schwertz et al). 2005;18:278-9 (Case rep.)
Proulx F (*see* Raboisson et al). 2005;18:375-80
Pu M, Gao Z, Li J, Sinoway L, Davidson WR Jr. Development of a new animal model of chronic mitral regurgitation in rats under transesophageal echocardiographic guidance. 2005;18:468-74
Pu M (*see* Gao et al). 2005;18:626-31
Puri P, Sarma R, Ostrzega EL, Varadarajan P, Pai RG. Massive posterior mitral annular calcification causing dynamic left ventricular outflow tract obstruction: mechanism and management implications. 2005;18:1106.e3-5 (Case rep.)

Q

Qin JX, Jones M, Travaglini A, Song J-M, Li J, White RD, Tsujino H, Greenberg NL, Zetts AD, Panza JA, Thomas JD, Shiota T. The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging. 2005;18:1037-43
Qin JX (*see* Bauer et al). 2005;18:795-801
Qin J-X (*see* Eto et al). 2005;18:306-12
Qin JX (*see* Popović et al). 2005;18:959-63
Quesada MM (*see* Perez De Isla et al). 2005;18:802-4

R

Raboisson M-J, Fouron J-C, Sonesson S-E, Nyman M, Proulx F, Gamache S. Fetal Doppler echocardiographic diagnosis and successful steroid therapy of Luciani-Wenckebach phenomenon and endocardial fibroelastosis related to maternal anti-Ro and Anti-La antibodies. 2005;18:375-80
Racaud A (*see* Donal et al). 2005;18:32-8

Rademakers F (*see* Dambrauskaite et al). 2005;18:1113-20
Radhakrishnan S (*see* Tomar et al). 2005;18:884.e15-8 (Case rep.)
Radovanovic MR, Pokrajcic ZV, Radovanovic N, Beleslin B, Marinkovic J, Stankovic G, Kostic J, Mitrovic P, Stefanovic B, Karadzic A, Ostojic M. Predictive value of biphasic response during dipyridamole echocardiography test in the low-risk group of patients after acute myocardial infarction. 2005;18:1355-61
Radovanovic N (*see* Radovanovic et al). 2005;18:1355-61
Rafter P (*see* Caiani et al). 2005;18:1292-8
Raghavaraju P (*see* Anjaneyulu et al). 2005;18:686-92
Rajagopalaraju A (*see* Anjaneyulu et al). 2005;18:686-92
Rajani R (*see* Chambers et al). 2005;18:674-8
Rakowski H (*see* Eriksson et al). 2005;18:1014-22
Rakowski H (*see* Yang et al). 2005;18:1074-82
Raman J (*see* Toledo et al). 2005;18:1312-20
Ramasubbu K, Wheeler TM, Reardon MJ, Dokainish H. Visceral pericardial hemangioma: unusual location for a rare cardiac tumor. 2005;18:981.e17-8 (Case rep.)
Ramires JF (*see* Tsutsui et al). 2005;18:188-91 (Case rep.)
Raud-Raynier P (*see* Donal et al). 2005;18:32-8
RAVE study investigators (*see* Perez de Isla et al). 2005;18:850-9
Ravekes W (*see* Holmes and Ravekes). 2005;18:1105 (Case rep.)
Rea A (*see* Di Salvo et al). 2005;18:122-7
Rea A (*see* Di Salvo et al). 2005;18:398-400
Rea A (*see* Di Salvo et al). 2005;18:930-3
Reardon MJ (*see* Ramasubbu et al). 2005;18:981.e17-8 (Case rep.)
Redington A (*see* Cheung et al). 2005;18:298 (Letter)
Redington AN (*see* Shimizu et al). 2005;18:461-7
Redington AN (*see* Shimizu et al). 2005;18:1241-6
Reisner SA (*see* Dabbah et al). 2005;18:882.e3-6 (Case rep.)
Ren J-F (*see* Dorbala et al). 2005;18:45-8
Reuss CS, Moreno CA, Appleton CP, Lester SJ. Doppler tissue imaging during supine and upright exercise in healthy adults. 2005;18:1343-8
Rhim C-Y (*see* Lee et al). 2005;18:1349-54
Richards KE (*see* Donal et al). 2005;18:1392-8
Riegert-Johnson DL, Bruce CJ, Montori VM, Cook RJ, Spittell PC. Residents can be trained to detect abdominal aortic aneurysms using personal ultrasound imagers: a pilot study. 2005;18:394-7
Rieu V (*see* Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Rigatelli G. Expanding the use of intracardiac echocardiography in congenital heart disease catheter-based interventions. 2005;18:1230-1 (Letter)
Ristow B, Ahmed S, Wang L, Liu H, Angeja BG, Whooley MA, Schiller NB. Pulmonary regurgitation end-diastolic gradient is a Doppler marker of cardiac status: data from the Heart and Soul Study. 2005;18:885-91
Roberts B (*see* Belcik et al). 2005;18:1083-92
Rocha MOC (*see* Nunes et al). 2005;18:761-7
Rodrigo JL (*see* Perez de Isla et al). 2005;18:57-62
Rodrigo JL (*see* Perez De Isla et al). 2005;18:802-4
Rodrigues ACT, Bacal F, Medeiros CC, Bocchi E, Sbano J, Morhy SS, Mathias W Jr, Andrade JL. Noninvasive detection of coronary allograft vasculopathy by myocardial contrast echocardiography. 2005;18:116-21
Rodríguez MA (*see* Iglesias-Garriz et al). 2005;18:1181-6
Roelandt JRTC (*see* Kronzon et al). 2005;18:213-5
Roffi M (*see* Abay et al). 2005;18:1106 (Case rep.)
Rohde LE (*see* Moreira et al). 2005;18:206-12
Rokey R, Vick GW III. Masking personal health information on real-time echocardiographic images. 2005;18:970-8
Roldán F-J (*see* Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)
Roman KS (*see* Nii et al). 2005;18:805-14
Roman MJ (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Romero-Cárdenas A (*see* Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)
Roos M (*see* Frischknecht et al). 2005;18:865-72
Rosanio S (*see* Vitarelli et al). 2005;18:1424-39 (Review article)
Rosenberger P (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Rosenhek R (*see* Mascherbauer et al). 2005;18:999-1006
Rosman D (*see* Makaryus et al). 2005;18:475-80
Rosman D (*see* Mittle et al). 2005;18:695.e14-7 (Case rep.)
Rossi G (*see* Pascotto et al). 2005;18:481-2 (Case rep.)
Roszel C (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Rottbauer W (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Roudaut R (*see* Thibault et al). 2005;18:1321-8
Rovner A, Thanigaraj S, Perez JE. Accessory mitral valve in an adult population: the role of echocardiography in diagnosis and management. 2005;18:494-8 (Case rep.)
Różański J (*see* Hoffman et al). 2005;18:771.e4-7 (Case rep.)
Rubenson DS (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Ruivard M (*see* Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Russell AE (*see* D'Souza et al). 2005;18:445-53
Russo C (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)
Russo CA (*see* Brosnan et al). 2005;18:1381-4
Rychik J (*see* Ayres et al). 2005;18:91-8 (ASE report)
Ryu K-H (*see* Lee et al). 2005;18:1349-54

S

Saba S (*see* Freih and Saba). 2005;18:280-1 (Case rep.)
Sabharwal N (*see* Greaves et al). 2005;18:620-5
Sable CA (*see* Spurney et al). 2005;18:313-9
Sagberg E (*see* Malm et al). 2005;18:1044-50
Sahin O (*see* Ergun et al). 2005;18:71-4 (Case rep.)
Sahn D (*see* Ge et al). 2005;18:1-7
Sahn DJ (*see* Ayres et al). 2005;18:91-8 (ASE report)
Sahn DJ (*see* Pemberton et al). 2005;18:956-8
Sahn DJ (*see* Pemberton et al). 2005;18:1030-6
St John Sutton M (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Sakagami S (*see* Omi et al). 2005;18:39-44
Sakata Y (*see* Ishikura et al). 2005;18:697-703
Sakata Y (*see* Ishikura et al). 2005;18:697-703
Salgo IS (*see* DeCara et al). 2005;18:1266-9
Samad BA, Olson JM, Alam M. Characteristics of left ventricular diastolic function in patients with systolic heart failure: a Doppler tissue imaging study. 2005;18:896-900
Sanaei-Ardekani M (*see* Donohue et al). 2005;18:1423.e1-8 (Case rep.)
Sandquist CA (*see* Pemberton et al). 2005;18:956-8
Santoro G (*see* Caputo et al). 2005;18:884.e19 (Case rep.)
Santoro G (*see* Di Salvo et al). 2005;18:398-400
Santoro G (*see* Di Salvo et al). 2005;18:930-3
Saouf R (*see* Naqvi et al). 2005;18:384-8 (Case rep.)
Saracino G (*see* Eto et al). 2005;18:306-12
Saraiva R (*see* Cury et al). 2005;18:454-60
Saraste A (*see* Saraste et al). 2005;18:679-85
Saraste M, Vesalainen RK, Ylitalo A, Saraste A, Koskenvuo JW, Toikka JO, Vaittinen M-A, Hartiala JJ, Airaksinen KEJ. Transthoracic Doppler echocardiography as a noninvasive tool to assess coronary artery stenoses—a comparison with quantitative coronary angiography. 2005;18:679-85
Sarma R (*see* Puri et al). 2005;18:1106.e3-5 (Case rep.)
Sasmaz H (*see* Ergun et al). 2005;18:71-4 (Case rep.)
Saulsbury FT (*see* McCulloch et al). 2005;18:768-70
Sayah S (*see* Meimoun et al). 2005;18:49-56
Sayah S (*see* Meimoun et al). 2005;18:1233-40
Sbano J (*see* Rodrigues et al). 2005;18:116-21
Schainfeld RM (*see* Kalaria et al). 2005;18:1107-11 (Review article)
Scheer K (*see* Weidenbach et al). 2005;18:362-6
Schelbert E (*see* Ge et al). 2005;18:1-7
Scheuble A (*see* Messika-Zeitoun et al). 2005;18:1409-14
Schiller NB (*see* Ristow et al). 2005;18:885-91
Schima H (*see* Mascherbauer et al). 2005;18:999-1006
Schmidt H (*see* Bernhardt et al). 2005;18:649-53
Schmidt H (*see* Bernhardt et al). 2005;18:919-24
Schmidt M (*see* Cheung et al). 2005;18:298 (Letter)
Schneider B, Bauer R. Is surgical closure of patent foramen ovale

the gold standard for treating interatrial shunts? An echocardiographic follow-up study. 2005;18:1385-91
Schneider P (*see* Weidenbach et al). 2005;18:362-6
Scholten MF (*see* Kronzon et al). 2005;18:213-5
Scholz TD (*see* Bu et al). 2005;18:299-305
Schroeder RA. Pulmonic valve endocarditis in a normal heart. 2005;18:197-8 (Case rep.)
Schulte-Moenting J (*see* Boettler et al). 2005;18:1121-30
Schuster I (*see* Bauer et al). 2005;18:934-9
Schwertz H, Prondzinsky R, Hofmann H-S, Silber R-E, Werdan K, Buerke M. Transesophageal echocardiographic image of a thrombus crossing a persistent foramen ovale from the right into the left atrium. 2005;18:278-9 (Case rep.)
Scott JD (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Seifert B (*see* Frischknecht et al). 2005;18:865-72
Sengupta PP, Chandrasekaran K, Prince DJ, Dyke RA, Khandheria BK. Role of biplane echocardiography in a large-volume clinical practice: revamping strategies for echocardiography in a limited time. 2005;18:757-60
Sengupta PP, Mehta V, Arora R, Mohan JC, Khandheria BK. Quantification of regional nonuniformity and paradoxical intramural mechanics in hypertrophic cardiomyopathy by high frame rate ultrasound myocardial strain mapping. 2005;18:737-42
Sengupta PP, Mohan JC, Mehta V, Arora R, Khandheria BK, Pandian NG. Doppler tissue imaging improves assessment of abnormal interventricular septal and posterior wall motion in constrictive pericarditis. 2005;18:226-30
Sengupta PP (*see* Korinek et al). 2005;18:1247-53
Senior R (*see* Greaves et al). 2005;18:620-5
Senior R (*see* Lim et al). 2005;18:1203-7
Seo JB (*see* Kang et al). 2005;18:815-20
Severino S (*see* Pascotto et al). 2005;18:481-2 (Case rep.)
Seward J (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Seward JB (*see* Agmon et al). 2005;18:175-82
Seward JB (*see* Ha et al). 2005;18:63-8
Seward JB (*see* Hansen et al). 2005;18:860-4
Seward JB (*see* Takemoto et al). 2005;18:901-6
Shanewise JS (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Sharif I (*see* Denvir et al). 2005;18:155-62
Shekar PS (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Shernan SK (*see* Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Sherriff D (*see* Bierig et al). 2005;18:1329-34
Sheu S-H (*see* Su et al). 2005;18:1023-9
Sheu S-H (*see* Voon et al). 2005;18:221-5
Sheu S-H (*see* Voon et al). 2005;18:326-9
Shimamoto K (*see* Inaba et al). 2005;18:729-36
Shimizu M, Konstantinov IE, Suess AM, Cheung M, McCrindle BW, Vogel M, Redington AN. Noninvasive analysis of myocardial function using high-resolution Doppler tissue echocardiography in rats. 2005;18:461-7
Shimizu M, Nii M, Konstantinov IE, Li J, Redington AN. Isovolumic but not ejection phase Doppler tissue indices detect left ventricular dysfunction caused by coronary stenosis. 2005;18:1241-6
Shimizu M, Takahashi H, Tatsumi K. Myocardial contrast echocardiography with 1.5-harmonic imaging in the diagnosis of cardiac malignant lymphoma. 2005;18:882.e1-2 (Case rep.)
Shin J-H (*see* Eto et al). 2005;18:306-12
Shinohara T (*see* Miyake et al). 2005;18:980.e9-11 (Case rep.)
Shiota T (*see* Bauer et al). 2005;18:795-801
Shiota T (*see* Eto et al). 2005;18:306-12
Shiota T (*see* Popović et al). 2005;18:959-63
Shiota T (*see* Qin et al). 2005;18:1037-43
Shizukuda Y (*see* Matoba et al). 2005;18:148-54
Shrivastava S (*see* Tomar et al). 2005;18:884.e15-8 (Case rep.)
Siegel RJ (*see* Naqvi et al). 2005;18:1404-8
Siegel RJ (*see* Neuman et al). 2005;18:771.e1-3 (Case rep.)
Silber R-E (*see* Schwertz et al). 2005;18:278-9 (Case rep.)
Silverman NH (*see* Friedberg and Silverman). 2005;18:142-7
Silvilairat S, Cabalka AK, Cetta F, Hagler DJ, O'Leary PW. Echocardiographic assessment of isolated pulmonary valve stenosis: which outpatient Doppler gradient has the most clinical validity? 2005;18:1137-42
Silvilairat S, Cabalka AK, Cetta F, Hagler DJ, O'Leary PW. Outpatient echocardiographic assessment of complex pulmonary outflow stenosis: Doppler mean gradient is superior to the maximum instantaneous gradient. 2005;18:1143-8
Simon P (*see* Mascherbauer et al). 2005;18:999-1006
Sinak LJ (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Sinak LJ (*see* Keating et al). 2005;18:981.e12-6 (Case rep.)
Singh P (*see* Dawn et al). 2005;18:199-205
Sinoway L (*see* Gao et al). 2005;18:626-31
Sinoway L (*see* Pu et al). 2005;18:468-74
Sison C (*see* Makaryus et al). 2005;18:475-80
Sitges M (*see* Bauer et al). 2005;18:795-801
Siu SC (*see* Eriksson et al). 2005;18:1014-22
Skjærpe T (*see* Malm et al). 2005;18:1044-50
Skolnick D (*see* Khanna et al). 2005;18:78-9 (Case rep.)
Slordahl SA (*see* Ingul et al). 2005;18:401-10
Slordahl SA (*see* Ingul et al). 2005;18:411-8
Smallhorn JF (*see* Guerra et al). 2005;18:1221.e1-3 (Case rep.)
Smallhorn JF (*see* Nii et al). 2005;18:805-14
Smith FC (*see* Ayres et al). 2005;18:91-8 (ASE report)
Smith W (*see* Khush et al). 2005;18:168-74
Soble J (*see* Thomas et al). 2005;18:287-97 (Case rep.)
Sogaard P (*see* Kjaergaard et al). 2005;18:1058-65
Sohn D-W (*see* Kim et al). 2005;18:320-5
Solomon SD (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Somaraju B (*see* Anjaneyulu et al). 2005;18:686-92
Sonesson S-E (*see* Raboisson et al). 2005;18:375-80
Song J-K (*see* Kang et al). 2005;18:815-20
Song J-M (*see* Kang et al). 2005;18:815-20
Song J-M (*see* Qin et al). 2005;18:1037-43
Sonka M (*see* Bu et al). 2005;18:299-305
Sonka M (*see* Ge et al). 2005;18:1-7
Sorensen K (*see* Cheung et al). 2005;18:298 (Letter)
Sousa AMR (*see* Pontes et al). 2005;18:427-34
Soydinc S (*see* Davutoglu et al). 2005;18:185-7 (Case rep.)
Spencer KT (*see* DeCara et al). 2005;18:257-63
Spencer KT (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Spencer KT (*see* Min et al). 2005;18:925-9
Spinarová L (*see* Meluzin et al). 2005;18:435-44
Spittell PC (*see* Hansen et al). 2005;18:860-4
Spittell PC (*see* Riegert-Johnson et al). 2005;18:394-7
Spittell PC (*see* Tom et al). 2005;18:282-4 (Case rep.)
Spurney CF, Sable CA, Berger JT, Martin GR. Use of a hand-carried ultrasound device by critical care physicians for the diagnosis of pericardial effusions, decreased cardiac function, and left ventricular enlargement in pediatric patients. 2005;18:313-9
Srivastava S (*see* Lytrivi et al). 2005;18:1099-104
Stafford WJ (*see* Palka et al). 2005;18:107-15
Stankovic G (*see* Radovanovic et al). 2005;18:1355-61
Starrett RS (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Stefanadis C (*see* Brili et al). 2005;18:1149-54
Stefanovic B (*see* Radovanovic et al). 2005;18:1355-61
Stein JH, Korcarz CE, Mays ME, Douglas PS, Palta M, Zhang H, LeCaire T, Paine D, Gustafson D, Fan L. A semiautomated ultrasound border detection program that facilitates clinical measurement of ultrasound carotid intima–media thickness. 2005;18:244-51
Stevenson JG (*see* Ayres et al). 2005;18:91-8 (ASE report)
Stewart WJ (*see* Lang et al). 2005;18:1440-63 (ASE committee recommendations)
Stoddard MF (*see* Dawn et al). 2005;18:199-205
Stolpen A (*see* Bu et al). 2005;18:299-305
Stolpen A (*see* Ge et al). 2005;18:1-7
Stoylen A (*see* Ingul et al). 2005;18:401-10

Stoylen A (*see* Ingul et al). 2005;18:411-8
Stremmel W (*see* Blessing et al). 2005;18:693.e5-7 (Case rep.)
Stussy VL (*see* Gilman et al). 2005;18:773-7 (Special article)
Stussy VL (*see* Ha et al). 2005;18:63-8
Su H-M, Lin T-H, Voon W-C, Lai W-T, Sheu S-H. Determination of pulmonary capillary wedge pressure using pulsed wave Doppler echocardiography: clinical application of range ambiguity phenomenon. 2005;18:1023-9
Su H-M (*see* Voon et al). 2005;18:221-5
Su H-M (*see* Voon et al). 2005;18:326-9
Suarez G (*see* Iglesias-Garriz et al). 2005;18:1181-6
Sueda T (*see* Orihashi et al). 2005;18:772.e12-3 (Case rep.)
Sueselbeck T (*see* Haghi et al). 2005;18:75-7 (Case rep.)
Suess AM (*see* Shimizu et al). 2005;18:461-7
Sugeng L (*see* Caiani et al). 2005;18:779-88
Sugeng L (*see* Caiani et al). 2005;18:1292-8
Sugeng L (*see* Min et al). 2005;18:925-9
Sutherland GR (*see* Dambrauskaite et al). 2005;18:1113-20
Suzuki N (*see* Ohara et al). 2005;18:638-43
Sy C-L (*see* Hsiao et al). 2005;18:1277-84
Sy CLL (*see* Hsiao et al). 2005;18:1254-9
Syed F, Diwan A, Hahn HS. Murine echocardiography: a practical approach for phenotyping genetically manipulated and surgically modeled mice. 2005;18:982-90 (Review article)

T

Tabata T, Grimm RA, Bauer FJ, Fukamachi K, Takagaki M, Ochiai Y, Mazgalev TN, Wilkoff BL, McCarthy PM, Thomas JD. Giant flow reversal in pulmonary venous flow as a possible mechanism for asynchronous pacing-induced heart failure. 2005;18:722-8
Tabata T (*see* Kimura et al). 2005;18:1222-9 (Review article)
Tajik AJ (*see* Agmon et al). 2005;18:175-82
Tajik AJ (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Tajik AJ (*see* Ha et al). 2005;18:63-8
Takagaki M (*see* Tabata et al). 2005;18:722-8
Takagi T (*see* Ueda et al). 2005;18:1163-72
Takahashi H (*see* Shimizu et al). 2005;18:882.e1-2 (Case rep.)
Takahashi T (*see* Ohara et al). 2005;18:638-43
Takamura M (*see* Omi et al). 2005;18:39-44
Takasaki K (*see* Yuasa et al). 2005;18:20-5
Takata S (*see* Omi et al). 2005;18:39-44
Takemoto Y, Pellikka PA, Wang J, Modesto KM, Cauduro S, Belohlavek M, Seward JB, Thomson HL, Khandheria B, Abraham TP. Analysis of the interaction between segmental relaxation patterns and global diastolic function by strain echocardiography. 2005;18:901-6
Takemura T (*see* Miyake et al). 2005;18:980.e9-11 (Case rep.)
Talini E (*see* Giorgi et al). 2005;18:8-14
Tallarico D, Chiavari PA, Critelli G, Carbone I, Passariello R. Visualization of right atrial tumor mass with transesophageal echocardiography through nasal way (TEENW). 2005;18:69-70 (Case rep.)
Tamaki N (*see* Komuro et al). 2005;18:26-31
Tamita K (*see* Ueda et al). 2005;18:1163-72
Tan L-K (*see* Gill et al). 2005;18:492-3 (Case rep.)
Tanaka H (*see* Kimura et al). 2005;18:1222-9 (Review article)
Tanaka T (*see* Harada et al). 2005;18:370-4
Tarelli G (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)
Tariosse L (*see* Thibault et al). 2005;18:1321-8
Tartara P (*see* Catena et al). 2005;18:1422.e7-13 (Case rep.)
Tatsumi K (*see* Shimizu et al). 2005;18:882.e1-2 (Case rep.)
Tazelaar HD (*see* Gilman et al). 2005;18:272-4 (Case rep.)
Tei C (*see* Yuasa et al). 2005;18:20-5
Thanigaraj S (*see* Rovner et al). 2005;18:494-8 (Case rep.)
Tharakan JM (*see* Harikrishnan et al). 2005;18:183-4 (Case rep.)
Thibault H, Lafitte S, Timperley J, Tariosse L, Becher H, Roudaut R, Dos Santos P. Quantitative analysis of myocardial perfusion in rats by contrast echocardiography. 2005;18:1321-8
Thibault H, Timperley J, Ehlgen A, Pariente A, Dawson D, Becher H. Can contrast dobutamine stress echocardiography be performed with standardized imaging settings for everybody? 2005;18:1194-202
Thibault H (*see* Timperley et al). 2005;18:163-7
Thomas JD, Adams DB, DeVries S, Ehler D, Greenberg N, Garcia M, Ginzton L, Gorcsan J III, Katz AS, Keller A, Khandheria B, Powers KB, Roszel C, Rubenson DS, Soble J. Guidelines and recommendations for digital echocardiography: a report from the Digital Echocardiography Committee of the American Society of Echocardiography. 2005;18:287-97 (Case rep.)
Thomas JD (*see* Bauer et al). 2005;18:795-801
Thomas JD (*see* Donal et al). 2005;18:1392-8
Thomas JD (*see* Eto et al). 2005;18:306-12
Thomas JD (*see* Popović et al). 2005;18:959-63
Thomas JD (*see* Qin et al). 2005;18:1037-43
Thomas JD (*see* Tabata et al). 2005;18:722-8
Thomson HL (*see* Takemoto et al). 2005;18:901-6
Tieleman RG (*see* Merckx et al). 2005;18:940-4
Timperley J, Mitchell ARJ, Thibault H, Mirza IH, Becher H. Safety of contrast dobutamine stress echocardiography: a single center experience. 2005;18:163-7
Timperley J (*see* MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Timperley J (*see* Thibault et al). 2005;18:1194-202
Timperley J (*see* Thibault et al). 2005;18:1321-8
Titus T (*see* Harikrishnan et al). 2005;18:183-4 (Case rep.)
Toda H (*see* Yuasa et al). 2005;18:20-5
Toikka JO (*see* Saraste et al). 2005;18:679-85
Tokai K (*see* Otsuka et al). 2005;18:704-9
Tokgözoğlu L (*see* Abali et al). 2005;18:1260-5
Tokgözoğlu L (*see* Ozer et al). 2005;18:1362-5
Toledo E, Collins KA, Williams U, Lammertin G, Bolotin G, Raman J, Lang RM, Mor-Avi V. Interrupted infusion of echocardiographic contrast as a basis for accurate measurement of myocardial perfusion: ex vivo validation and analysis procedures. 2005;18:1312-20
Toledo E, Lang RM, Collins KA, Lammertin G, Weinert L, Mor-Avi V. Quantitative echocardiographic evaluation of myocardial perfusion using interrupted contrast infusion technique: in vivo validation studies and feasibility in human beings. 2005;18:1304-11
Toledo E (*see* DeCara et al). 2005;18:1266-9
Tolstrup K (*see* Neuman et al). 2005;18:771.e1-3 (Case rep.)
Tom CW, Oh JK, Spittell PC. The abdominal aorta and constrictive pericarditis: abdominal aortic respiratory variation as an echocardiographic finding in constrictive pericarditis. 2005;18:282-4 (Case rep.)
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Cardiotoxicity
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patients with cerebral ischemia (Handke et al). 2005;18:1366-72

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Chagas' cardiomyopathy
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Doppler tissue imaging and color M-mode flow propagation velocity: are they really preload independent? (Hsiao et al). 2005;18:1277-84
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Impact of chronic left ventricular preload and afterload on Doppler tissue imaging velocities: a study in congenital heart disease (Eidem et al). 2005;18:830-8
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Dual triggering improves the accuracy of left ventricular volume measurements by contrast-enhanced real-time 3-dimensional echocardiography (Caiani et al). 2005;18:1292-8

Echocardiographic predictors of left atrial appendage spontaneous echocontrast in patients with stroke and atrial fibrillation (Özer et al). 2005;18:1362-5

Improved accuracy of low-power contrast echocardiography for the assessment of left ventricular remodeling compared with unenhanced harmonic echocardiography after acute myocardial infarction: comparison with cardiovascular magnetic resonance imaging (Lim et al). 2005;18:1203-7

Interrupted infusion of echocardiographic contrast as a basis for accurate measurement of myocardial perfusion: ex vivo validation and analysis procedures (Toledo et al). 2005;18:1312-20

Left atrial appendage flow velocity as a quantitative surrogate parameter for thromboembolic risk: determinants and relationship to spontaneous echocontrast and thrombus formation—a transesophageal echocardiographic study in 500 patients with cerebral ischemia (Handke et al). 2005;18:1366-72

Myocardial blood volume and perfusion reserve responses to combined dipyridamole and exercise stress: a quantitative approach to contrast stress echocardiography (Moir et al). 2005;18:1187-93

Myocardial contrast echocardiography assessment of acute changes in collateral perfusion of contralateral coronary artery with coronary flow reserve after coronary angioplasty (Ishikura et al). 2005;18:697-703

Myocardial contrast echocardiography with 1.5-harmonic imaging in the diagnosis of cardiac malignant lymphoma (Shimizu et al). 2005;18:882.e1-2 (Case rep.)

Noninvasive detection of coronary allograft vasculopathy by myocardial contrast echocardiography (Rodrigues et al). 2005;18:116-21

Quantitative analysis of myocardial perfusion in rats by contrast echocardiography (Thibault et al). 2005;18:1321-8

Quantitative echocardiographic evaluation of myocardial perfusion using interrupted contrast infusion technique: in vivo validation studies and feasibility in human beings (Toledo et al). 2005;18:1304-11

Safety of contrast dobutamine stress echocardiography: a single center experience (Timperley et al). 2005;18:163-7

Echocardiography, digital

Guidelines and recommendations for digital echocardiography: a report from the Digital Echocardiography Committee of the American Society of Echocardiography (Thomas et al). 2005;18:287-97 (Case rep.)

Echocardiography, Doppler

Biphasic Doppler pattern of the descending thoracic aorta: a new echocardiographic finding in patients with aortic valve stenosis (Hansen et al). 2005;18:860-4

Can we finally measure blood flow velocity all through the coronary artery three by transthoracic Doppler echocardiography in patients with myocardial hypertrophy? (de Gregorio). 2005;18:1463-5 (Letter)

Characteristics of left ventricular diastolic function in patients with systolic heart failure: a Doppler tissue imaging study (Samad et al). 2005;18:896-900

Clinical application of harmonic power Doppler imaging in the assessment of myocardial perfusion by contrast echocardiography (Belcik et al). 2005;18:1083-92

Comparison of different methods for detection of diastolic filling abnormalities (Whalley et al). 2005;18:710-7

Detection of prominent left anterior descending coronary artery stenosis for patients with stable angina using Doppler tissue echocardiography (Veyrat et al). 2005;18:821-9

Determination of pulmonary capillary wedge pressure using pulsed wave Doppler echocardiography: clinical application of range ambiguity phenomenon (Su et al). 2005;18:1023-9

Diastolic stress echocardiography: a novel noninvasive diagnostic test for diastolic dysfunction using supine bicycle exercise Doppler echocardiography (Ha et al). 2005;18:63-8

Doppler echocardiographic assessment of valvular regurgitation severity by measurement of the vena contracta: an in vitro validation study (Mascherbauer et al). 2005;18:999-1006

Doppler echocardiographic evaluation of pulmonary regurgitation facilitates the diagnosis of constrictive pericarditis (Gilman et al). 2005;18:892-5

Doppler echocardiography of normal Starr-Edwards mitral prostheses: a comprehensive function assessment including continuity equation and time-velocity integral ratio (Malouf et al). 2005;18:1399-403

Doppler echocardiography of 119 normal-functioning St Jude Medical mitral valve prostheses: a comprehensive assessment including time-velocity integral ratio and prosthesis performance index (Malouf et al). 2005;18:252-6

Echocardiographic assessment of isolated pulmonary valve stenosis: which outpatient Doppler gradient has the most clinical validity? (Silvilairat et al). 2005;18:1137-42

Echocardiographic evaluation of the mitral valve area before and after percutaneous mitral commissurotomy: the pressure half-time method revisited (Messika-Zeitoun et al). 2005;18:1409-14

Fetal Doppler echocardiographic diagnosis and successful steroid therapy of Luciani-Wenckebach phenomenon and endocardial fibroelastosis related to maternal anti-Ro and Anti-La antibodies (Raboisson et al). 2005;18:375-80

Increased right ventricular afterload induces postsystolic thickening of the ventricular septum in nonischemic hearts (Urheim et al). 2005;18:839-43

An initial application of transesophageal Doppler echocardiog-

raphy in experimental small animal models (Gao et al). 2005;18:626-31
Late left ventricular color M-mode Doppler in the assessment of diastolic dysfunction in patients with dilated cardiomyopathy (Patrianakos et al). 2005;18:979.e1-2 (Case rep.)
Left bundle branch block disturbs left anterior descending coronary artery flow: study using transthoracic Doppler echocardiography (Youn et al). 2005;18:1093-8
Left ventricular inflow propagation velocity at pulsed wave Doppler analysis: an index of relaxation (Voon et al). 2005;18:326-9
Myocardial performance index in female rats with myocardial infarction: relationship with ventricular function parameters by Doppler echocardiography (Cury et al). 2005;18:454-60
Noninvasive analysis of myocardial function using high-resolution Doppler tissue echocardiography in rats (Shimizu et al). 2005;18:461-7
Noninvasive localization of nuclear factor of activated T cells c1—/— mouse embryos by ultrasound biomicroscopy-Doppler allows genotype-phenotype correlation (Ji and Phoon). 2005;18:1415-21
A novel technique to detect total occlusion in the right coronary artery using retrograde flow by transthoracic Doppler echocardiography (Otsuka et al). 2005;18:704-9
Outpatient echocardiographic assessment of complex pulmonary outflow stenosis: Doppler mean gradient is superior to the maximum instantaneous gradient (Silvilairat et al). 2005;18:1143-8
Physiologic assessment of coronary artery stenosis without stress tests: noninvasive analysis of phasic flow characteristics by transthoracic Doppler echocardiography (Daimon et al). 2005;18:949-55
Prediction of severity of isolated aortic regurgitation by echocardiography: an aortic regurgitation index study (Chin et al). 2005;18:1007-13
Pulmonary regurgitation end-diastolic gradient is a Doppler marker of cardiac status: data from the Heart and Soul Study (Ristow et al). 2005;18:885-91
A real-time 3-dimensional digital Doppler method for measurement of flow rate and volume through mitral valve in children: a validation study compared with magnetic resonance imaging (Ge et al). 2005;18:1-7
Real-time 3-dimensional Doppler echocardiography for the assessment of stroke volume: an in vivo human study compared with standard 2-dimensional echocardiography (Pemberton et al). 2005;18:1030-6
Reduced coronary flow reserve in patients with congestive heart failure assessed by transthoracic Doppler echocardiography (Neishi et al). 2005;18:15-9
Reproducibility of Doppler echocardiographic assessment of left ventricular diastolic function in multicenter setting (Palmieri et al). 2005;18:99-106
The role of left and right ventricular early diastolic Doppler tissue echocardiographic indices in the evaluation of acute rejection in orthotopic heart transplant (Palka et al). 2005;18:107-15
Serial changes in regional diastolic left ventricular function after a first acute myocardial infarction (Husic et al). 2005;18:1173-80
Transthoracic Doppler echocardiographic assessment of coronary flow velocity pattern in patient with acute myocardial infarction implies progression of myocardial damage (Ueda et al). 2005;18:1163-72
Transthoracic Doppler echocardiography as a noninvasive tool to assess coronary artery stenoses—a comparison with quantitative coronary angiography (Saraste et al). 2005;18:679-85
Two-dimensional strain—a Doppler-independent ultrasound method for quantitation of regional deformation: validation in vitro and in vivo (Korinek et al). 2005;18:1247-53
Which Doppler parameters are load independent? A study in normal volunteers after blood donation (Abali et al). 2005;18:1260-5

Echocardiography, intracardiac

Expanding the use of intracardiac echocardiography in congenital heart disease catheter-based interventions (Rigatelli). 2005;18:1230-1 (Letter)
An initial application of transesophageal Doppler echocardiography in experimental small animal models (Gao et al). 2005;18:626-31

Echocardiography, M-mode

The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging (Qin et al). 2005;18:1037-43
Doppler tissue imaging and color M-mode flow propagation velocity: are they really preload independent? (Hsiao et al). 2005;18:1277-84
Late left ventricular color M-mode Doppler in the assessment of diastolic dysfunction in patients with dilated cardiomyopathy (Patrianakos et al). 2005;18:979.e1-2 (Case rep.)
Measurement of cardiac time intervals by Doppler tissue M-mode imaging of the anterior mitral leaflet (Kjaergaard et al). 2005;18:1058-65
Midwall shortening after coarctation repair: the effect of through-plane motion on single-plane indices of left ventricular function (Gentles et al). 2005;18:1131-6
Mitral valve leaflet excursion velocity in the pediatric population: a comparable diastolic index to the color M-mode propagation velocity (Friedberg and Silverman). 2005;18:142-7
Use of real-time three-dimensional echocardiography to measure left atrial volume: comparison with other echocardiographic techniques (Jenkins et al). 2005;18:991-7 (Cardiac sonog. comm.)

Echocardiography, stress

Can contrast dobutamine stress echocardiography be performed with standardized imaging settings for everybody? (Thibault et al). 2005;18:1194-202
Coronary artery vasospasm during dobutamine stress echocardiography (Patel et al). 2005;18:486-9 (Case rep.)
Diastolic stress echocardiography: a novel noninvasive diagnostic test for diastolic dysfunction using supine bicycle exercise Doppler echocardiography (Ha et al). 2005;18:63-8
Emergency nontraumatic chest pain: use of stress echocardiography to detect significant coronary artery stenosis (Iglesias-Garriz et al). 2005;18:1181-6
Evaluation of left anterior descending coronary artery stenosis of intermediate severity using transthoracic coronary flow reserve and dobutamine stress echocardiography (Meimoun et al). 2005;18:1233-40
Long-term prognostic importance of transient left ventricular dilation during pharmacologic stress echocardiography (de Isla et al). 2005;18:57-62
Myocardial blood volume and perfusion reserve responses to combined dipyridamole and exercise stress: a quantitative approach to contrast stress echocardiography (Moir et al). 2005;18:1187-93
Risk stratification of women with peripartum cardiomyopathy at initial presentation: a dobutamine stress echocardiography study (Dorbala et al). 2005;18:45-8
Significance of systolic anterior motion of the mitral valve during dobutamine stress echocardiography (Meimoun et al). 2005;18:49-56
Stress function index, a novel index for risk stratification and prognosis using stress echocardiography (Bangalore et al). 2005;18:1335-42
Usefulness of low-dose dobutamine stress echocardiography for the evaluation of spontaneous recovery of stunned myocardium in patients with acute right ventricular infarction (Karvounis et al). 2005;18:351-6

Echocardiography, three-dimensional
The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging (Qin et al). 2005;18:1037-43
Aneurysm of right atrium diagnosed by 3-dimensional real-time echocardiogram (Guerra et al). 2005;18:1221.e1-3 (Case rep.)
Dual triggering improves the accuracy of left ventricular volume measurements by contrast-enhanced real-time 3-dimensional echocardiography (Caiani et al). 2005;18:1292-8
The efficacy of real-time 3-dimensional echocardiography for right ventricular biopsy (Aggarwal et al). 2005;18:1208-12
Improved semiautomated quantification of left ventricular volumes and ejection fraction using 3-dimensional echocardiography with a full matrix-array transducer: comparison with magnetic resonance imaging (Caiani et al). 2005;18:779-88
Insight into normal mitral and tricuspid annular dynamics in pediatrics: a real-time three-dimensional echocardiographic study (Nii et al). 2005;18:805-14
Live real-time three-dimensional echocardiography for the visualization of myocardial perfusion—a pilot study in open-chest pigs (Pemberton et al). 2005;18:956-8
Morphological determinants of subaortic stenosis in hypertrophic cardiomyopathy: insights from real-time 3-dimensional echocardiography (Perez De Isla et al). 2005;18:802-4
Quantitative analysis of left atrial function during left ventricular ischemia with and without left atrial ischemia: a real-time 3-dimensional echocardiographic study (Bauer et al). 2005;18:795-801
Rapid full volume data acquisition by real-time 3-dimensional echocardiography for assessment of left ventricular indexes in children: a validation study compared with magnetic resonance imaging (Bu et al). 2005;18:299-305
A real-time 3-dimensional digital Doppler method for measurement of flow rate and volume through mitral valve in children: a validation study compared with magnetic resonance imaging (Ge et al). 2005;18:1-7
Real-time 3-dimensional Doppler echocardiography for the assessment of stroke volume: an in vivo human study compared with standard 2-dimensional echocardiography (Pemberton et al). 2005;18:1030-6
Regional aortic function is correlated with intima-media thickness—insights from three-dimensional echocardiography (Drozdz et al). 2005;18:789-94
Transthoracic diagnosis of left atrial appendage myxoma by real-time 3-dimensional echocardiography (Dawson et al). 2005;18:192-3 (Case rep.)
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Visualization of coronary arteries using intravenous contrast agent and real-time 3-dimensional echocardiography in a patient with hypertrophic cardiomyopathy (Tsutsui et al). 2005;18:188-91 (Case rep.)

Echocardiography, transesophageal
Clinical, laboratory, and transesophageal echocardiographic correlates of interatrial septal thickness: a population-based transesophageal echocardiographic study (Agmon et al). 2005;18:175-82
Clinical features of complications from transesophageal echocardiography: a single-center case series of 10,000 consecutive examinations (Min et al). 2005;18:925-9
Combined transesophageal echocardiography and transesophageal cardioversion probe: technical aspects (Kronzon et al). 2005;18:213-5
Development of a new animal model of chronic mitral regurgitation in rats under transesophageal echocardiographic guidance (Pu et al). 2005;18:468-74
Does transesophageal echocardiographic demonstration of a patent foramen ovale in patients with a recent cerebral ischemic event change anticoagulation therapy? (Boddicker and Kerber). 2005;18:357-61
Echocardiographic predictors of left atrial appendage spontaneous echocontrast in patients with stroke and atrial fibrillation (Özer et al). 2005;18:1362-5
Improved visualization of aortic intima-media thickening with the use of perflutren lipid microspheres (Bierig et al). 2005;18:1329-34
Incidence of cerebral embolism after cardioversion of atrial fibrillation: a prospective study with transesophageal echocardiography and cerebral magnetic resonance imaging (Bernhardt et al). 2005;18:649-53
Indications and guidelines for performance of transesophageal echocardiography in the patient with pediatric acquired or congenital heart disease: a report from the task force of the Pediatric Council of the American Society of Echocardiography (Ayres et al). 2005;18:91-8 (ASE report)
An initial application of transesophageal Doppler echocardiography in experimental small animal models (Gao et al). 2005;18:626-31
Left atrial appendage flow velocity as a quantitative surrogate parameter for thromboembolic risk: determinants and relationship to spontaneous echocontrast and thrombus formation—a transesophageal echocardiographic study in 500 patients with cerebral ischemia (Handke et al). 2005;18:1366-72
Long-term prognostic value of transesophageal atrial pacing stress echocardiography (Płońska et al). 2005;18:749-56
Lutembacher's syndrome with small atrial septal defect diagnosed by transthoracic and transesophageal echocardiography that underwent mitral valve replacement (Olivares-Reyes and Al-Kamme). 2005;18:1105.e1-3 (Case rep.)
Mitral annular disjunction in advanced myxomatous mitral valve disease: echocardiographic detection and surgical correction (Eriksson et al). 2005;18:1014-22
Mitral valvuloplasty by Inoue balloon under transthoracic echocardiographic guidance (Trehan et al). 2005;18:964-9
Patients at high risk with atrial fibrillation: a prospective and serial follow-up during 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging (Bernhardt et al). 2005;18:919-24
Peculiar aspects of cardiogenic embolism in patients with Chagas' cardiomyopathy: a transthoracic and transesophageal echocardiographic study (Nunes et al). 2005;18:761-7
Planimetric assessment of anatomic valve area overestimates effective orifice area in bicuspid aortic stenosis (Donal et al). 2005;18:1392-8
Pulmonic valve endocarditis in a normal heart (Schroeder). 2005;18:197-8 (Case rep.)
Retained left atrial catheter: a case report and review of the literature (Hynes et al). 2005;18:1423.e9-1 (Case rep.)
The role of the nurse in clinical echocardiography (Gilman et al). 2005;18:773-7 (Special article)
Role of transesophageal echocardiography in patients with suspected aortic dissection (Eltzschig et al). 2005;18:1221.e4-6 (Case rep.)
Superior vena cava (SVC) thrombosis: diagnosis and follow up by transesophageal echocardiography (TEE) (Freih and Saba). 2005;18:280-1 (Case rep.)
Three unusual myxomas originating from the left atrial appendage: a case report (Turhan et al). 2005;18:694.e11-3 (Case rep.)
Transesophageal assessment of left atrial thrombus using a 3.3-mm monoplane probe (Brosnan et al). 2005;18:1381-4
Transesophageal echocardiographic image of a thrombus crossing a persistent foramen ovale from the right into the left atrium (Schwertz et al). 2005;18:278-9 (Case rep.)
Transesophageal echocardiography in comparison with magnetic resonance imaging in the diagnosis of pulmonary vein

stenosis after radiofrequency ablation therapy (Jander et al). 2005;18:654-9
Visualization of right atrial tumor mass with transesophageal echocardiography through nasal way (TEENW) (Tallarico et al). 2005;18:69-70 (Case rep.)

Echocardiography, transthoracic

Abdominal aortic aneurysm screening during transthoracic echocardiography in an unselected population (Bekkers et al). 2005;18:389-93
Atrial activation time determined by transthoracic Doppler tissue imaging can be used as an estimate of the total duration of atrial electrical activation (Merckx et al). 2005;18:940-4
Atrioventricular membrane perforation: a very rare complication of transvenous pacemaker implantation (Ergun et al). 2005;18:71-4 (Case rep.)
Can we finally measure blood flow velocity all through the coronary artery three by transthoracic Doppler echocardiography in patients with myocardial hypertrophy? (de Gregorio). 2005;18:1464-6 (Letter)
Contrast echocardiography improves the diagnostic yield of transthoracic studies performed in the intensive care setting by novice sonographers (Makaryus et al). 2005;18:475-80
Demonstration of recanalized left coronary artery after thrombolysis by transthoracic echocardiography (Anjaneyulu et al). 2005;18:686-92
Evaluation of left anterior descending coronary artery stenosis of intermediate severity using transthoracic coronary flow reserve and dobutamine stress echocardiography (Meimoun et al). 2005;18:1233-40
Left atrial appendage assessment by second harmonic transthoracic echocardiography after an acute ischemic neurologic event (Moreira et al). 2005;18:206-12
Left bundle branch block disturbs left anterior descending coronary artery flow: study using transthoracic Doppler echocardiography (Youn et al). 2005;18:1093-8
Lutembacher's syndrome with small atrial septal defect diagnosed by transthoracic and transesophageal echocardiography that underwent mitral valve replacement (Olivares-Reyes and Al-Kamme). 2005;18:1105.e1-3 (Case rep.)
Mitral valvuloplasty by Inoue balloon under transthoracic echocardiographic guidance (Trehan et al). 2005;18:964-9
A novel technique to detect total occlusion in the right coronary artery using retrograde flow by transthoracic Doppler echocardiography (Otsuka et al). 2005;18:704-9
The peak to mean pressure decrease ratio: a new method of assessing aortic stenosis (Chambers et al). 2005;18:674-8
Peculiar aspects of cardiogenic embolism in patients with Chagas' cardiomyopathy: a transthoracic and transesophageal echocardiographic study (Nunes et al). 2005;18:761-7
Physiologic assessment of coronary artery stenosis without stress tests: noninvasive analysis of phasic flow characteristics by transthoracic Doppler echocardiography (Daimon et al). 2005;18:949-55
Pulmonic valve endocarditis in a normal heart (Schroeder). 2005;18:197-8 (Case rep.)
Reduced coronary flow reserve in patients with congestive heart failure assessed by transthoracic Doppler echocardiography (Neishi et al). 2005;18:15-9
Transthoracic diagnosis of left atrial appendage myxoma by real-time 3-dimensional echocardiography (Dawson et al). 2005;18:192-3 (Case rep.)
Transthoracic Doppler echocardiographic assessment of coronary flow velocity pattern in patient with acute myocardial infarction implies progression of myocardial damage (Ueda et al). 2005;18:1163-72
Transthoracic Doppler echocardiography as a noninvasive tool to assess coronary artery stenoses—a comparison with quantitative coronary angiography (Saraste et al). 2005;18:679-85

Echocardiography, two-dimensional

The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging (Qin et al). 2005;18:1037-43
Automated mitral annular tracking: a novel method for evaluating mitral annular motion using two-dimensional echocardiography (Eto et al). 2005;18:306-12
Choosing apical long-axis instead of two-chamber view gives more accurate biplane echocardiographic measurements of left ventricular ejection fraction: a comparison with magnetic resonance imaging (Malm et al). 2005;18:1044-50
Computer-based training in two-dimensional echocardiography using an echocardiography simulator (Weidenbach et al). 2005;18:362-6
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Real-time 3-dimensional Doppler echocardiography for the assessment of stroke volume: an in vivo human study compared with standard 2-dimensional echocardiography (Pemberton et al). 2005;18:1030-6
Two-dimensional strain—a Doppler-independent ultrasound method for quantitation of regional deformation: validation in vitro and in vivo (Korinek et al). 2005;18:1247-53
Use of real-time three-dimensional echocardiography to measure left atrial volume: comparison with other echocardiographic techniques (Jenkins et al). 2005;18:991-7 (Cardiac sonog. comm.)

Echocardiography, utilization

The abdominal aorta and constrictive pericarditis: abdominal aortic respiratory variation as an echocardiographic finding in constrictive pericarditis (Tom et al). 2005;18:282-4 (Case rep.)
Accessory mitral valve in an adult population: the role of echocardiography in diagnosis and management (Rovner et al). 2005;18:494-8 (Case rep.)
Analysis of the interaction between segmental relaxation patterns and global diastolic function by strain echocardiography (Takemoto et al). 2005;18:901-6
Anatomoechocardiographic correlation double inlet left ventricle (Muñoz-Castellanos et al). 2005;18:237-43
Biphasic Doppler pattern of the descending thoracic aorta: a new echocardiographic finding in patients with aortic valve stenosis (Hansen et al). 2005;18:860-4
A case report of absent right superior vena cava with persistent left superior vena cava: echocardiographic findings (Alhaj et al). 2005;18:483-5 (Case rep.)
Chloroquine-induced cardiomyopathy—echocardiographic features (Naqvi et al). 2005;18:384-8 (Case rep.)
Double-orifice mitral valve with intact atrioventricular septum: an echocardiographic study with anatomic and functional considerations (Das et al). 2005;18:231-6
Early diagnosis of stress-induced apical ballooning syndrome based on classic echocardiographic findings and correlation with cardiac catheterization (Donohue et al). 2005;18:1423.e1-8 (Case rep.)
Echocardiographic assessment of ventricular asynchrony in dilated cardiomyopathy and congenital heart disease: tools and hopes (Vitarelli et al). 2005;18:1424-39 (Review article)
Echocardiographic features and complications of the modified Norwood operation using the right ventricle to pulmonary artery conduit (Cardis et al). 2005;18:660-5
Echocardiography to measure fitness of elite runners (Arrese et al). 2005;18:419-26
Evaluation of right pulmonary artery obstruction by echocardiography in a 32-year-old woman with suggested histoplasmosis (Gilman et al). 2005;18:490-1 (Case rep.)
Exercise intolerance in patients with atrial fibrillation: clinical and echocardiographic determinants of exercise capacity (Lee et al). 2005;18:1349-54
High prevalence of important cardiac findings in patients with peripheral arterial disease referred for echocardiography (Ward et al). 2005;18:844-9

Influence of scanning frequency and ultrasonic contrast agent on reproducibility of left ventricular measurements in the mouse (Denvir et al). 2005;18:155-62
Left ventricular support by axial flow pump: the echocardiographic approach to device malfunction (Catena et al). 2005;18:1422.e7-1 (Case rep.)
Limitations of echocardiographic periarterial brightness in the diagnosis of Kawasaki disease (McCulloch et al). 2005;18:768-70
Murine echocardiography: a practical approach for phenotyping genetically manipulated and surgically modeled mice (Syed et al). 2005;18:982-90 (Review article)
Neonatal pulmonary artery thrombosis: echocardiographic characteristics and possible contributing factors (Goble and Gomez). 2005;18:693.e1-4 (Case rep.)
Partial or total anomalous pulmonary venous drainage caused by malposition of septum primum: echocardiographic description of a rare variant of anomalous pulmonary venous drainage (Tomar et al). 2005;18:884.e15-8 (Case rep.)
Prediction of the left ventricular ejection fraction improvement using echocardiography and mechanical modeling (Han et al). 2005;18:718-21
Predictive value of biphasic response during dipyridamole echocardiography test in the low-risk group of patients after acute myocardial infarction (Radovanovic et al). 2005;18:1355-61
Prevalence of echocardiographically detected ventricular asynchrony in patients with left ventricular systolic dysfunction (Perez de Isla et al). 2005;18:850-9
Prognosis of patients with good exercise capacity and mildly abnormal exercise echocardiography results: identification of an at-risk subgroup (McCully et al). 2005;18:644-8
Prognostic importance of various echocardiographic right ventricular functional parameters in patients with symptomatic heart failure (Meluzin et al). 2005;18:435-44
Right-sided myxomas (Mittle et al). 2005;18:695.e14-7 (Case rep.)
Subvalvular left ventricular outflow obstruction for patients undergoing aortic valve replacement for aortic stenosis: echocardiographic recognition and identification of patients at risk (Bach). 2005;18:1155-62
Tako tsubo cardiomyopathy (transient left ventricular apical ballooning): case report of a myocardial perfusion echocardiogram study (Upadya et al). 2005;18:883.e10-4 (Case rep.)

Education, medical
Computer-based training in two-dimensional echocardiography using an echocardiography simulator (Weidenbach et al). 2005;18:362-6
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Improved semiautomated quantification of left ventricular volumes and ejection fraction using 3-dimensional echocardiography with a full matrix-array transducer: comparison with magnetic resonance imaging (Caiani et al). 2005;18:779-88
Isovolumic but not ejection phase Doppler tissue indices detect left ventricular dysfunction caused by coronary stenosis (Shimizu et al). 2005;18:1241-6
Prediction of the left ventricular ejection fraction improvement using echocardiography and mechanical modeling (Han et al). 2005;18:718-21

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Electromechanics
Doppler tissue analysis of atrial electromechanical coupling in paroxysmal atrial fibrillation (Omi et al). 2005;18:39-44

Embolism
Is surgical closure of patent foramen ovale the gold standard for treating interatrial shunts? An echocardiographic follow-up study (Schneider and Bauer). 2005;18:1385-91
Isolated left ventricular noncompaction of the myocardium as a cause of embolic superior mesenteric artery occlusion (Blessing et al). 2005;18:693.e5-7 (Case rep.)
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cians for the diagnosis of pericardial effusions, decreased cardiac function, and left ventricular enlargement in pediatric patients (Spurney et al). 2005;18:313-9
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Estimation; *see* Statistics

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Echocardiographic assessment of ventricular asynchrony in dilated cardiomyopathy and congenital heart disease: tools and hopes (Vitarelli et al). 2005;18:1424-39 (Review article)
Prevalence of echocardiographically detected ventricular asynchrony in patients with left ventricular systolic dysfunction (Perez de Isla et al). 2005;18:850-9

Ethnic groups
A prospective assessment of myocardial contractility in young African Americans: does ethnicity impact the wall stress-heart rate-corrected velocity of circumferential fiber shortening relationship? (Lamers et al). 2005;18:743-8

European Association of Echocardiography
Recommendations for chamber quantification: a report from the American Society of Echocardiography's Guidelines and Standards Committee and the Chamber Quantification Writing Group, developed in conjunction with the European Association of Echocardiography, a branch of the European Society of Cardiology (Lang et al). 2005;18:1440-63 (ASE committee recommendations)

Exercise test
Diastolic stress echocardiography: a novel noninvasive diagnostic test for diastolic dysfunction using supine bicycle exercise Doppler echocardiography (Ha et al). 2005;18:63-8
Doppler tissue imaging during supine and upright exercise in healthy adults (Reuss et al). 2005;18:1343-8
Exercise intolerance in patients with atrial fibrillation: clinical and echocardiographic determinants of exercise capacity (Lee et al). 2005;18:1349-54
Myocardial blood volume and perfusion reserve responses to combined dipyridamole and exercise stress: a quantitative approach to contrast stress echocardiography (Moir et al). 2005;18:1187-93
Physiologic assessment of coronary artery stenosis without stress tests: noninvasive analysis of phasic flow characteristics by transthoracic Doppler echocardiography (Daimon et al). 2005;18:949-55

Exercise tolerance
Exercise intolerance in patients with atrial fibrillation: clinical and echocardiographic determinants of exercise capacity (Lee et al). 2005;18:1349-54
Left atrial index is a predictor of exercise capacity in patients with hypertrophic cardiomyopathy (Kjaergaard et al). 2005;18:1373-80
Prognosis of patients with good exercise capacity and mildly abnormal exercise echocardiography results: identification of an at-risk subgroup (McCully et al). 2005;18:644-8

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Feasibility studies
Automated analysis of strain rate and strain: feasibility and clinical implications (Ingul et al). 2005;18:411-8
Quantitative echocardiographic evaluation of myocardial perfusion using interrupted contrast infusion technique: in vivo validation studies and feasibility in human beings (Toledo et al). 2005;18:1304-11

Females
Myocardial performance index in female rats with myocardial infarction: relationship with ventricular function parameters by Doppler echocardiography (Cury et al). 2005;18:454-60
Risk stratification of women with peripartum cardiomyopathy at initial presentation: a dobutamine stress echocardiography study (Dorbala et al). 2005;18:45-8

Fetus
Fetal Doppler echocardiographic diagnosis and successful steroid therapy of Luciani-Wenckebach phenomenon and endocardial fibroelastosis related to maternal anti-Ro and Anti-La antibodies (Raboisson et al). 2005;18:375-80
Right ventricular pre-ejection myocardial velocity and myocardial acceleration in normal fetuses assessed by Doppler tissue imaging (Harada et al). 2005;18:370-4

Financing, organized
The research grant process: a reference guide for cardiovascular sonographers (Bierig et al). 2005;18:264-7

Fistula
Detachment of the right coronary artery resulting in subsequent aneurysm of the ascending aorta and pulmonary artery fistula 7 years after a Bentall procedure (Hoffman et al). 2005;18:771.e4-7 (Case rep.)
Multiple right coronary artery fistulae in a patient with diffuse hypertrophic cardiomyopathy: a case report (Caputo et al). 2005;18:884.e19 (Case rep.)
Vegetation and bilateral congenital coronary artery fistulas (Gill et al). 2005;18:492-3 (Case rep.)

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Flow, blood; *see* Blood flow velocity

Fluoroscopy
Mitral valvuloplasty by Inoue balloon under transthoracic echocardiographic guidance (Trehan et al). 2005;18:964-9

Foramen ovale; *see* Heart septal defects, atrial

France
Regressive aortic valve and infundibular tumors during idiopathic hypereosinophilic syndrome (Dauphin et al). 2005;18:772.e8-11 (Case rep.)

Function tests, cardiac; *see* Heart function tests

G

Genetics
Murine echocardiography: a practical approach for phenotyping genetically manipulated and surgically modeled mice (Syed et al). 2005;18:982-90 (Review article)

Genotype
Noninvasive localization of nuclear factor of activated T cells c1—/— mouse embryos by ultrasound biomicroscopy-Doppler allows genotype-phenotype correlation (Ji and Phoon). 2005;18:1415-21

Graft rejection
The role of left and right ventricular early diastolic Doppler tissue echocardiographic indices in the evaluation of acute rejection in orthotopic heart transplant (Palka et al). 2005;18:107-15

Grant, financial; *see* Financing, organized

Guidelines
Guidelines and recommendations for digital echocardiography: a report from the Digital Echocardiography Committee of the American Society of Echocardiography (Thomas et al). 2005;18:287-97 (Case rep.)
Indications and guidelines for performance of transesophageal echocardiography in the patient with pediatric acquired or congenital heart disease: a report from the task force of the Pediatric Council of the American Society of Echocardiography (Ayres et al). 2005;18:91-8 (ASE report)
Recommendations for chamber quantification: a report from the American Society of Echocardiography's Guidelines and Standards Committee and the Chamber Quantification Writ-

ing Group, developed in conjunction with the European Association of Echocardiography, a branch of the European Society of Cardiology (Lang et al). 2005;18:1440-63 (ASE committee recommendations)
The research grant process: a reference guide for cardiovascular sonographers (Bierig et al). 2005;18:264-7

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Hamartoma
Ventricular septal hamartoma mimicking hypertrophic cardiomyopathy in a 41-year-old woman presenting with paroxysmal supraventricular tachycardia (Gilman et al). 2005;18:272-4 (Case rep.)
Hand-carried devices; *see* Equipment and supplies
Harmonic imaging, intermittent; *see* Intermittent harmonic imaging
Heart aneurysm
Age and aneurysm position predict patterns of left ventricular dysfunction after subarachnoid hemorrhage (Khush et al). 2005;18:168-74
Aneurysm of right atrium diagnosed by 3-dimensional real-time echocardiogram (Guerra et al). 2005;18:1221.e1-3 (Case rep.)
Aneurysmal formation induced by membranous tissue in infundibular ventricular septal defect (Miyake et al). 2005;18:980.e9-11 (Case rep.)
Infundibular ventricular septal defect, aneurysm of the sinus of Valsalva, and bicuspid aortic valve in a Caucasian male (Anastassiades et al). 2005;18:268-71 (Case rep.)
Left ventricular pseudoaneurysm and rupture after limited myocardial infarction (MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Heart arrest
Thrombosed arch vessels after cardiac arrest because of pulmonary embolism (Orihashi et al). 2005;18:772.e12-3 (Case rep.)
Heart-assist devices
Left ventricular support by axial flow pump: the echocardiographic approach to device malfunction (Catena et al). 2005;18:1422.e7-1 (Case rep.)
Heart atrium
Aneurysm of right atrium diagnosed by 3-dimensional real-time echocardiogram (Guerra et al). 2005;18:1221.e1-3 (Case rep.)
Atrial activation time determined by transthoracic Doppler tissue imaging can be used as an estimate of the total duration of atrial electrical activation (Merckx et al). 2005;18:940-4
Cardiovascular death in patients with atrial fibrillation is better predicted by left atrial thrombus and spontaneous echocardiographic contrast as compared with clinical parameters (Dawn et al). 2005;18:199-205
Clinical, laboratory, and transesophageal echocardiographic correlates of interatrial septal thickness: a population-based transesophageal echocardiographic study (Agmon et al). 2005;18:175-82
Doppler tissue analysis of atrial electromechanical coupling in paroxysmal atrial fibrillation (Omi et al). 2005;18:39-44
Doppler tissue evaluation of intra-atrial and interatrial electromechanical delay and comparison with P-wave dispersion in patients with mitral stenosis (Özer et al). 2005;18:945-8
Double-orifice mitral valve with intact atrioventricular septum: an echocardiographic study with anatomic and functional considerations (Das et al). 2005;18:231-6
Echocardiographic predictors of left atrial appendage spontaneous echocontrast in patients with stroke and atrial fibrillation (Özer et al). 2005;18:1362-5
Enlarged left atrial volume in hypertrophic cardiomyopathy: a marker for disease severity (Yang et al). 2005;18:1074-82
Left atrial appendage assessment by second harmonic transthoracic echocardiography after an acute ischemic neurologic event (Moreira et al). 2005;18:206-12
Left atrial appendage flow velocity as a quantitative surrogate parameter for thromboembolic risk: determinants and relationship to spontaneous echocontrast and thrombus formation—a transesophageal echocardiographic study in 500 patients with cerebral ischemia (Handke et al). 2005;18:1366-72
Left atrial appendage function analyzed by tissue Doppler imaging in mitral stenosis: effect of afterload reduction after mitral valve commissurotomy (Bauer et al). 2005;18:934-9
Left atrial index is a predictor of exercise capacity in patients with hypertrophic cardiomyopathy (Kjaergaard et al). 2005;18:1373-80
Long-term prognostic value of transesophageal atrial pacing stress echocardiography (Płońska et al). 2005;18:749-56
Mitral annular disjunction in advanced myxomatous mitral valve disease: echocardiographic detection and surgical correction (Eriksson et al). 2005;18:1014-22
Retained left atrial catheter: a case report and review of the literature (Hynes et al). 2005;18:1423.e9-1 (Case rep.)
Strain rate imaging for noninvasive functional quantification of the left atrium: comparative studies in controls and patients with atrial fibrillation (Inaba et al). 2005;18:729-36
Three unusual myxomas originating from the left atrial appendage: a case report (Turhan et al). 2005;18:694.e11-3 (Case rep.)
Transesophageal assessment of left atrial thrombus using a 3.3-mm monoplane probe (Brosnan et al). 2005;18:1381-4
Transesophageal echocardiographic image of a thrombus crossing a persistent foramen ovale from the right into the left atrium (Schwertz et al). 2005;18:278-9 (Case rep.)
Transient hemiparesis caused by a left atrial myxoma in a child (Holmes and Ravekes). 2005;18:1105 (Case rep.)
Transthoracic diagnosis of left atrial appendage myxoma by real-time 3-dimensional echocardiography (Dawson et al). 2005;18:192-3 (Case rep.)
An unusual case of shunting across the atrial septum after mitral valve repair (Khanna et al). 2005;18:78-9 (Case rep.)
Use of real-time three-dimensional echocardiography to measure left atrial volume: comparison with other echocardiographic techniques (Jenkins et al). 2005;18:991-7 (Cardiac sonog. comm.)
Visualization of right atrial tumor mass with transesophageal echocardiography through nasal way (TEENW) (Tallarico et al). 2005;18:69-70 (Case rep.)
Heart block
Fetal Doppler echocardiographic diagnosis and successful steroid therapy of Luciani-Wenckebach phenomenon and endocardial fibroelastosis related to maternal anti-Ro and Anti-La antibodies (Raboisson et al). 2005;18:375-80
Pericarditis constrictiva and high-degree atrioventricular block as a first manifestation of a cardiac B-cell lymphoma (Engelen et al). 2005;18:694.e8-10 (Case rep.)
Heart catheterization
Early diagnosis of stress-induced apical ballooning syndrome based on classic echocardiographic findings and correlation with cardiac catheterization (Donohue et al). 2005;18:1423.e1-8 (Case rep.)
Echocardiographic assessment of isolated pulmonary valve stenosis: which outpatient Doppler gradient has the most clinical validity? (Silvilairat et al). 2005;18:1137-42
Expanding the use of intracardiac echocardiography in congenital heart disease catheter-based interventions (Rigatelli). 2005;18:1230-1 (Letter)
Intermittent coronary sinus occlusion complicating coronary sinus cannulation during coronary artery bypass operation (Dabbah et al). 2005;18:882.e3-6 (Case rep.)
Retained left atrial catheter: a case report and review of the literature (Hynes et al). 2005;18:1423.e9-1 (Case rep.)
Strain rate imaging is a superior method for the assessment of

regional myocardial function compared with Doppler tissue imaging: a study on patients with transcatheter device closure of atrial septal defect (Di Salvo et al). 2005;18:398-400

Heart defects, congenital

Accessory mitral valve in an adult population: the role of echocardiography in diagnosis and management (Rovner et al). 2005;18:494-8 (Case rep.)

Anatomoechocardiographic correlation double inlet left ventricle (Muñoz-Castellanos et al). 2005;18:237-43

Aneurysmal formation induced by membranous tissue in infundibular ventricular septal defect (Miyake et al). 2005;18:980.e9-11 (Case rep.)

A case report of absent right superior vena cava with persistent left superior vena cava: echocardiographic findings (Alhaj et al). 2005;18:483-5 (Case rep.)

Color Doppler tissue imaging for evaluation of right ventricular systolic function in patients with congenital heart disease (Lytrivi et al). 2005;18:1099-104

Early myocardial abnormalities in asymptomatic patients with severe isolated congenital aortic regurgitation: an ultrasound tissue characterization and strain rate study (Di Salvo et al). 2005;18:122-7

Echocardiographic assessment of ventricular asynchrony in dilated cardiomyopathy and congenital heart disease: tools and hopes (Vitarelli et al). 2005;18:1424-39 (Review article)

Expanding the use of intracardiac echocardiography in congenital heart disease catheter-based interventions (Rigatelli). 2005;18:1230-1 (Letter)

Impact of chronic left ventricular preload and afterload on Doppler tissue imaging velocities: a study in congenital heart disease (Eidem et al). 2005;18:830-8

Indications and guidelines for performance of transesophageal echocardiography in the patient with pediatric acquired or congenital heart disease: a report from the task force of the Pediatric Council of the American Society of Echocardiography (Ayres et al). 2005;18:91-8 (ASE report)

An unusual case of shunting across the atrial septum after mitral valve repair (Khanna et al). 2005;18:78-9 (Case rep.)

Vegetation and bilateral congenital coronary artery fistulas (Gill et al). 2005;18:492-3 (Case rep.)

Heart diseases

The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging (Qin et al). 2005;18:1037-43

Validation of noncompaction criteria in dilated cardiomyopathy, and valvular and hypertensive heart disease (Frischknecht et al). 2005;18:865-72

Heart failure, congestive

Characteristics of left ventricular diastolic function in patients with systolic heart failure: a Doppler tissue imaging study (Samad et al). 2005;18:896-900

Comparison of different methods for detection of diastolic filling abnormalities (Whalley et al). 2005;18:710-7

Echocardiographic assessment of ventricular asynchrony in dilated cardiomyopathy and congenital heart disease: tools and hopes (Vitarelli et al). 2005;18:1424-39 (Review article)

Evaluation of pulsed Doppler tissue velocity imaging for assessing systolic function of murine global heart failure (Matoba et al). 2005;18:148-54

Giant flow reversal in pulmonary venous flow as a possible mechanism for asynchronous pacing-induced heart failure (Tabata et al). 2005;18:722-8

Left ventricle myocardial performance index derived either by conventional method or mitral annulus tissue-Doppler: a comparison study in healthy subjects and subjects with heart failure (Gaibazzi et al). 2005;18:1270-6

The mitral L wave: a marker of pseudonormal filling and predictor of heart failure in patients with left ventricular hypertrophy (Lam et al). 2005;18:336-41

Prognostic importance of various echocardiographic right ventricular functional parameters in patients with symptomatic heart failure (Meluzin et al). 2005;18:435-44

Reduced coronary flow reserve in patients with congestive heart failure assessed by transthoracic Doppler echocardiography (Neishi et al). 2005;18:15-9

Ventricular volume and length in hypertensive diastolic heart failure (Maurer et al). 2005;18:1051-7

Heart function tests

Atrial function after surgical and percutaneous closure of atrial septal defect: a strain rate imaging study (Di Salvo et al). 2005;18:930-3

Contribution of Doppler tissue imaging and myocardial performance index to assessment of left ventricular function in patients with Duchenne's muscular dystrophy (Bahler et al). 2005;18:666-73

Diastolic stress echocardiography: a novel noninvasive diagnostic test for diastolic dysfunction using supine bicycle exercise Doppler echocardiography (Ha et al). 2005;18:63-8

Doppler echocardiography of 119 normal-functioning St Jude Medical mitral valve prostheses: a comprehensive assessment including time-velocity integral ratio and prosthesis performance index (Malouf et al). 2005;18:252-6

Effect of heart rate and preload on index of myocardial performance in the normal and abnormal left ventricle (Lavine). 2005;18:133-41

Hydroxychloroquine-induced cadiotoxicity in a 39-year-old woman with systemic lupus erythematosus and systolic dysfunction (Keating et al). 2005;18:981.e12-6 (Case rep.)

Impact of chronic obstructive pulmonary disease with pulmonary hypertension on both left ventricular systolic and diastolic performance (Yilmaz et al). 2005;18:873-81

Index of myocardial performance is afterload dependent in the normal and abnormal left ventricle (Lavine). 2005;18:342-50

Left atrial appendage function analyzed by tissue Doppler imaging in mitral stenosis: effect of afterload reduction after mitral valve commissurotomy (Bauer et al). 2005;18:934-9

Left ventricle myocardial performance index derived either by conventional method or mitral annulus tissue-Doppler: a comparison study in healthy subjects and subjects with heart failure (Gaibazzi et al). 2005;18:1270-6

Measurement of cardiac time intervals by Doppler tissue M-mode imaging of the anterior mitral leaflet (Kjaergaard et al). 2005;18:1058-65

Murine echocardiography: a practical approach for phenotyping genetically manipulated and surgically modeled mice (Syed et al). 2005;18:982-90 (Review article)

Myocardial function in severe aortic stenosis before and after aortic valve replacement: a Doppler tissue imaging study (Giorgi et al). 2005;18:8-14

Myocardial performance index in female rats with myocardial infarction: relationship with ventricular function parameters by Doppler echocardiography (Cury et al). 2005;18:454-60

Noninvasive analysis of myocardial function using high-resolution Doppler tissue echocardiography in rats (Shimizu et al). 2005;18:461-7

Noninvasive prediction of complications with anteroseptal acute myocardial infarction by left ventricular Tei index (Yuasa et al). 2005;18:20-5

Noninvasive quantification of regional ventricular function in rats: assessment of serial change and spatial distribution using ultrasound strain analysis (Hirano et al). 2005;18:907-12

Prediction of severity of isolated aortic regurgitation by echocardiography: an aortic regurgitation index study (Chin et al). 2005;18:1007-13

Pulmonary regurgitation end-diastolic gradient is a Doppler marker of cardiac status: data from the Heart and Soul Study (Ristow et al). 2005;18:885-91

Recovery of stunned myocardium in acute myocardial infarc-

tion quantified by strain rate imaging: a clinical study (Ingul et al). 2005;18:401-10
Regional aortic function is correlated with intima-media thickness—insights from three-dimensional echocardiography (Drozdz et al). 2005;18:789-94
Strain rate imaging is a superior method for the assessment of regional myocardial function compared with Doppler tissue imaging: a study on patients with transcatheter device closure of atrial septal defect (Di Salvo et al). 2005;18:398-400
Use of a hand-carried ultrasound device by critical care physicians for the diagnosis of pericardial effusions, decreased cardiac function, and left ventricular enlargement in pediatric patients (Spurney et al). 2005;18:313-9

Heart neoplasms
Calcified right ventricular mass and pulmonary embolism in a previously healthy young woman (Chaowalit et al). 2005;18:275-7 (Case rep.)
Cardiac cavernous hemangioma (Perk et al). 2005;18:979.e3-4 (Case rep.)
Massive posterior mitral annular calcification causing dynamic left ventricular outflow tract obstruction: mechanism and management implications (Puri et al). 2005;18:1106.e3-5 (Case rep.)
Myocardial contrast echocardiography with 1.5-harmonic imaging in the diagnosis of cardiac malignant lymphoma (Shimizu et al). 2005;18:882.e1-2 (Case rep.)
Myofibroblastic sarcoma of mitral valve: a case report (Kolli et al). 2005;18:285-6 (Case rep.)
Pericarditis constrictiva and high-degree atrioventricular block as a first manifestation of a cardiac B-cell lymphoma (Engelen et al). 2005;18:694.e8-10 (Case rep.)
Pseudomyxoma originating from the interatrial septum in a heart transplant patient (Neuman et al). 2005;18:771.e1-3 (Case rep.)
Regressive aortic valve and infundibular tumors during idiopathic hypereosinophilic syndrome (Dauphin et al). 2005;18:772.e8-11 (Case rep.)
Right-sided myxomas (Mittle et al). 2005;18:695.e14-7 (Case rep.)
Three unusual myxomas originating from the left atrial appendage: a case report (Turhan et al). 2005;18:694.e11-3 (Case rep.)
Transient hemiparesis caused by a left atrial myxoma in a child (Holmes and Ravekes). 2005;18:1105 (Case rep.)
Ventricular septal hamartoma mimicking hypertrophic cardiomyopathy in a 41-year-old woman presenting with paroxysmal supraventricular tachycardia (Gilman et al). 2005;18:272-4 (Case rep.)
Visceral pericardial hemangioma: unusual location for a rare cardiac tumor (Ramasubbu et al). 2005;18:981.e17-8 (Case rep.)
Visualization of right atrial tumor mass with transesophageal echocardiography through nasal way (TEENW) (Tallarico et al). 2005;18:69-70 (Case rep.)

Heart rate
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Heart rate effects on strain and strain rate in healthy children (Boettler et al). 2005;18:1121-30
A prospective assessment of myocardial contractility in young African Americans: does ethnicity impact the wall stress-heart rate-corrected velocity of circumferential fiber shortening relationship? (Lamers et al). 2005;18:743-8

Heart rupture
Left ventricular pseudoaneurysm and rupture after limited myocardial infarction (MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Long-term follow-up of intramyocardial dissecting hematomas complicating acute myocardial infarction (Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)

Heart septal defects, atrial
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Does transesophageal echocardiographic demonstration of a patent foramen ovale in patients with a recent cerebral ischemic event change anticoagulation therapy? (Boddicker and Kerber). 2005;18:357-61
Is surgical closure of patent foramen ovale the gold standard for treating interatrial shunts? An echocardiographic follow-up study (Schneider and Bauer). 2005;18:1385-91
Lutembacher's syndrome with small atrial septal defect diagnosed by transthoracic and transesophageal echocardiography that underwent mitral valve replacement (Olivares-Reyes and Al-Kamme). 2005;18:1105.e1-3 (Case rep.)
Septal defects after percutaneous mitral valvotomy—all are not innocent (Harikrishnan et al). 2005;18:183-4 (Case rep.)
Strain rate imaging is a superior method for the assessment of regional myocardial function compared with Doppler tissue imaging: a study on patients with transcatheter device closure of atrial septal defect (Di Salvo et al). 2005;18:398-400
Transesophageal echocardiographic image of a thrombus crossing a persistent foramen ovale from the right into the left atrium (Schwertz et al). 2005;18:278-9 (Case rep.)

Heart septal defects, ventricular
Aneurysmal formation induced by membranous tissue in infundibular ventricular septal defect (Miyake et al). 2005;18:980.e9-11 (Case rep.)
Infundibular ventricular septal defect, aneurysm of the sinus of Valsalva, and bicuspid aortic valve in a Caucasian male (Anastassiades et al). 2005;18:268-71 (Case rep.)

Heart septum
Abnormal septal motion affects early diastolic velocities at the septal and lateral mitral annulus, and impacts on estimation of the pulmonary capillary wedge pressure (D'Souza et al). 2005;18:445-53
Clinical, laboratory, and transesophageal echocardiographic correlates of interatrial septal thickness: a population-based transesophageal echocardiographic study (Agmon et al). 2005;18:175-82
Doppler tissue imaging improves assessment of abnormal interventricular septal and posterior wall motion in constrictive pericarditis (Sengupta et al). 2005;18:226-30
Double-orifice mitral valve with intact atrioventricular septum: an echocardiographic study with anatomic and functional considerations (Das et al). 2005;18:231-6
Increased right ventricular afterload induces postsystolic thickening of the ventricular septum in nonischemic hearts (Urheim et al). 2005;18:839-43
Partial or total anomalous pulmonary venous drainage caused by malposition of septum primum: echocardiographic description of a rare variant of anomalous pulmonary venous drainage (Tomar et al). 2005;18:884.e15-8 (Case rep.)
Pseudomyxoma originating from the interatrial septum in a heart transplant patient (Neuman et al). 2005;18:771.e1-3 (Case rep.)
An unusual case of shunting across the atrial septum after mitral valve repair (Khanna et al). 2005;18:78-9 (Case rep.)

Heart surgery
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Echocardiographic features and complications of the modified

Norwood operation using the right ventricle to pulmonary artery conduit (Cardis et al). 2005;18:660-5
Is surgical closure of patent foramen ovale the gold standard for treating interatrial shunts? An echocardiographic follow-up study (Schneider and Bauer). 2005;18:1385-91
Mitral annular disjunction in advanced myxomatous mitral valve disease: echocardiographic detection and surgical correction (Eriksson et al). 2005;18:1014-22

Heart transplantation

The efficacy of real-time 3-dimensional echocardiography for right ventricular biopsy (Aggarwal et al). 2005;18:1208-12
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Heart valve diseases

Validation of noncompaction criteria in dilated cardiomyopathy, and valvular and hypertensive heart disease (Frischknecht et al). 2005;18:865-72

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Doppler echocardiography of normal Starr-Edwards mitral prostheses: a comprehensive function assessment including continuity equation and time-velocity integral ratio (Malouf et al). 2005;18:1399-403
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Massive posterior mitral annular calcification causing dynamic left ventricular outflow tract obstruction: mechanism and management implications (Puri et al). 2005;18:1106.e3-5 (Case rep.)
Myocardial function in severe aortic stenosis before and after aortic valve replacement: a Doppler tissue imaging study (Giorgi et al). 2005;18:8-14
Subvalvular left ventricular outflow obstruction for patients undergoing aortic valve replacement for aortic stenosis: echocardiographic recognition and identification of patients at risk (Bach). 2005;18:1155-62

Heart ventricle

The accuracy of left ventricular mass determined by real-time three-dimensional echocardiography in chronic animal and clinical studies: a comparison with postmortem examination and magnetic resonance imaging (Qin et al). 2005;18:1037-43
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Estimation of right ventricular mass by two-dimensional echocardiography (Pontes et al). 2005;18:427-34
Influence of scanning frequency and ultrasonic contrast agent on reproducibility of left ventricular measurements in the mouse (Denvir et al). 2005;18:155-62
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Left ventricular geometry and myocardial contractility in patients with essential hypertension evaluated by myocardial velocity profile (Kimura et al). 2005;18:1222-9 (Review article)
Left ventricular pseudoaneurysm and rupture after limited myocardial infarction (MacDonald et al). 2005;18:980.e5-8 (Case rep.)
Left ventricular support by axial flow pump: the echocardiographic approach to device malfunction (Catena et al). 2005;18:1422.e7-1 (Case rep.)
The role of left and right ventricular early diastolic Doppler tissue echocardiographic indices in the evaluation of acute rejection in orthotopic heart transplant (Palka et al). 2005; 18:107-15
Usefulness of low-dose dobutamine stress echocardiography for the evaluation of spontaneous recovery of stunned myocardium in patients with acute right ventricular infarction (Karvounis et al). 2005;18:351-6
Ventricular volume and length in hypertensive diastolic heart failure (Maurer et al). 2005;18:1051-7

Hemangioma

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Hemangioma, cavernous

Cardiac cavernous hemangioma (Perk et al). 2005;18:979.e3-4 (Case rep.)

Hematoma

Long-term follow-up of intramyocardial dissecting hematomas complicating acute myocardial infarction (Vargas-Barrón et al). 2005;18:1422.e1-6 (Case rep.)

Hemiplegia

Transient hemiparesis caused by a left atrial myxoma in a child (Holmes and Ravekes). 2005;18:1105 (Case rep.)

Hemodialysis

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Preload and flow propagation velocity: insight into patients with uremia and different left ventricular systolic function (Hsiao et al). 2005;18:1254-9

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Histoplasmosis

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Mitral valve stenosis
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Long-term prognostic importance of transient left ventricular dilation during pharmacologic stress echocardiography (de Isla et al). 2005;18:57-62
Long-term prognostic value of transesophageal atrial pacing stress echocardiography (Płońska et al). 2005;18:749-56
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Pulmonary artery
Absence of clinically significant increase in pulmonary artery pressure after intravenous perflutren injection for myocardial perfusion imaging in pigs (de Chantal et al). 2005;18:1299-303
Detachment of the right coronary artery resulting in subsequent aneurysm of the ascending aorta and pulmonary artery fistula 7 years after a Bentall procedure (Hoffman et al). 2005;18:771.e4-7 (Case rep.)
Echocardiographic features and complications of the modified Norwood operation using the right ventricle to pulmonary artery conduit (Cardis et al). 2005;18:660-5
Evaluation of right pulmonary artery obstruction by echocardiography in a 32-year-old woman with suggested histoplasmosis (Gilman et al). 2005;18:490-1 (Case rep.)
Neonatal pulmonary artery thrombosis: echocardiographic characteristics and possible contributing factors (Goble and Gomez). 2005;18:693.e1-4 (Case rep.)

Pulmonary embolism
Calcified right ventricular mass and pulmonary embolism in a previously healthy young woman (Chaowalit et al). 2005;18:275-7 (Case rep.)
A novel regional right ventricular wall-motion abnormality observed in a case of acute pulmonary embolism (reverse McConnell sign) (Haghi et al). 2005;18:75-7 (Case rep.)
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Pulmonary valve insufficiency
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Pulmonary regurgitation end-diastolic gradient is a Doppler marker of cardiac status: data from the Heart and Soul Study (Ristow et al). 2005;18:885-91

Pulmonary valve stenosis
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Pulmonary veins
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Partial or total anomalous pulmonary venous drainage caused by malposition of septum primum: echocardiographic description of a rare variant of anomalous pulmonary venous drainage (Tomar et al). 2005;18:884.e15-8 (Case rep.)
Transesophageal echocardiography in comparison with magnetic resonance imaging in the diagnosis of pulmonary vein stenosis after radiofrequency ablation therapy (Jander et al). 2005;18:654-9

Pulmonary wedge pressure
Abnormal septal motion affects early diastolic velocities at the septal and lateral mitral annulus, and impacts on estimation of the pulmonary capillary wedge pressure (D'Souza et al). 2005;18:445-53
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Reperfusion injury
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Reproducibility of results
Choosing apical long-axis instead of two-chamber view gives more accurate biplane echocardiographic measurements of left ventricular ejection fraction: a comparison with magnetic resonance imaging (Malm et al). 2005;18:1044-50
Doppler echocardiographic assessment of valvular regurgitation severity by measurement of the vena contracta: an in vitro validation study (Mascherbauer et al). 2005;18:999-1006
Doppler tissue imaging for the assessment of left ventricular diastolic function: a systematic approach for the sonographer (Hill and Palma). 2005;18:80-90 (Cardiac sonog. comm.)
Echocardiographic assessment of isolated pulmonary valve stenosis: which outpatient Doppler gradient has the most clinical validity? (Silvilairat et al). 2005;18:1137-42
Influence of scanning frequency and ultrasonic contrast agent on reproducibility of left ventricular measurements in the mouse (Denvir et al). 2005;18:155-62
Interrupted infusion of echocardiographic contrast as a basis for accurate measurement of myocardial perfusion: ex vivo validation and analysis procedures (Toledo et al). 2005;18:1312-20
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Rapid full volume data acquisition by real-time 3-dimensional echocardiography for assessment of left ventricular indexes in children: a validation study compared with magnetic resonance imaging (Bu et al). 2005;18:299-305
Reproducibility of Doppler echocardiographic assessment of left ventricular diastolic function in multicenter setting (Palmieri et al). 2005;18:99-106
A semiautomated ultrasound border detection program that facilitates clinical measurement of ultrasound carotid intima-media thickness (Stein et al). 2005;18:244-51
Use of real-time three-dimensional echocardiography to measure left atrial volume: comparison with other echocardiographic techniques (Jenkins et al). 2005;18:991-7 (Cardiac sonog. comm.)

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Respiration
The abdominal aorta and constrictive pericarditis: abdominal aortic respiratory variation as an echocardiographic finding in constrictive pericarditis (Tom et al). 2005;18:282-4 (Case rep.)

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Patients at high risk with atrial fibrillation: a prospective and serial follow-up during 12 months with transesophageal echocardiography and cerebral magnetic resonance imaging (Bernhardt et al). 2005;18:919-24
Risk stratification of women with peripartum cardiomyopathy at initial presentation: a dobutamine stress echocardiography study (Dorbala et al). 2005;18:45-8
Stress function index, a novel index for risk stratification and prognosis using stress echocardiography (Bangalore et al). 2005;18:1335-42
Subvalvular left ventricular outflow obstruction for patients undergoing aortic valve replacement for aortic stenosis: echocardiographic recognition and identification of patients at risk (Bach). 2005;18:1155-62

Running
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Sarcoma
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Severity of illness index
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Sinus of Valsalva
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Smoking
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Estimation of right ventricular mass by two-dimensional echocardiography (Pontes et al). 2005;18:427-34

Stents
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Steroids
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Strain rate
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Atrial function after surgical and percutaneous closure of atrial septal defect: a strain rate imaging study (Di Salvo et al). 2005;18:930-3
Automated analysis of strain rate and strain: feasibility and clinical implications (Ingul et al). 2005;18:411-8
Early myocardial abnormalities in asymptomatic patients with severe isolated congenital aortic regurgitation: an ultrasound tissue characterization and strain rate study (Di Salvo et al). 2005;18:122-7
Heart rate effects on strain and strain rate in healthy children (Boettler et al). 2005;18:1121-30
Noninvasive quantification of regional ventricular function in rats: assessment of serial change and spatial distribution using ultrasound strain analysis (Hirano et al). 2005;18:907-12

Radial strain gradient across the normal myocardial wall in open-chest pigs measured with Doppler strain rate imaging (Matre et al). 2005;18:1066-73
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Strain rate imaging for noninvasive functional quantification of the left atrium: comparative studies in controls and patients with atrial fibrillation (Inaba et al). 2005;18:729-36
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Characteristics of left ventricular diastolic function in patients with systolic heart failure: a Doppler tissue imaging study (Samad et al). 2005;18:896-900
Color Doppler tissue imaging for evaluation of right ventricular systolic function in patients with congenital heart disease (Lytrivi et al). 2005;18:1099-104
Evaluation of left ventricular systolic function using automated angle-independent motion tracking of mitral annular displacement (DeCara et al). 2005;18:1266-9
The evaluation of pulmonary hypertension using right ventricular myocardial isovolumic relaxation time (Dambrauskaite et al). 2005;18:1113-20
Evaluation of pulsed Doppler tissue velocity imaging for assessing systolic function of murine global heart failure (Matoba et al). 2005;18:148-54
Hydroxychloroquine-induced cadiotoxicity in a 39-year-old woman with systemic lupus erythematosus and systolic dysfunction (Keating et al). 2005;18:981.e12-6 (Case rep.)
Impact of chronic obstructive pulmonary disease with pulmonary hypertension on both left ventricular systolic and diastolic performance (Yilmaz et al). 2005;18:873-81
Increased right ventricular afterload induces postsystolic thickening of the ventricular septum in nonischemic hearts (Urheim et al). 2005;18:839-43
Influence of preload alterations on parameters of systolic left ventricular long-axis function: a Doppler tissue study: flawed methodology leads to spurious results (Cheung et al). 2005;18:298 (Letter)
Late left ventricular color M-mode Doppler in the assessment of diastolic dysfunction in patients with dilated cardiomyopathy (Patrianakos et al). 2005;18:979.e1-2 (Case rep.)
Preload and flow propagation velocity: insight into patients with uremia and different left ventricular systolic function (Hsiao et al). 2005;18:1254-9
Prevalence of echocardiographically detected ventricular asynchrony in patients with left ventricular systolic dysfunction (Perez de Isla et al). 2005;18:850-9
Refinement on single-beat determination of left ventricular systolic function in patients with atrial fibrillation (Wang et al). 2005;18:913-8
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Thrombolytic therapy
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Thrombosis
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Cardiovascular death in patients with atrial fibrillation is better predicted by left atrial thrombus and spontaneous echocardiographic contrast as compared with clinical parameters (Dawn et al). 2005;18:199-205
Left atrial appendage flow velocity as a quantitative surrogate parameter for thromboembolic risk: determinants and relationship to spontaneous echocontrast and thrombus forma-

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Neonatal pulmonary artery thrombosis: echocardiographic characteristics and possible contributing factors (Goble and Gomez). 2005;18:693.e1-4 (Case rep.)
Right ventricular outflow tract thrombus in a case of Behçet's disease (Özer et al). 2005;18:381-3 (Case rep.)
Superior vena cava (SVC) thrombosis: diagnosis and follow up by transesophageal echocardiography (TEE) (Freih and Saba). 2005;18:280-1 (Case rep.)
Thrombosed arch vessels after cardiac arrest because of pulmonary embolism (Orihashi et al). 2005;18:772.e12-3 (Case rep.)
Transesophageal assessment of left atrial thrombus using a 3.3-mm monoplane probe (Brosnan et al). 2005;18:1381-4
Transesophageal echocardiographic image of a thrombus crossing a persistent foramen ovale from the right into the left atrium (Schwertz et al). 2005;18:278-9 (Case rep.)

Time factors
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Insight into normal mitral and tricuspid annular dynamics in pediatrics: a real-time three-dimensional echocardiographic study (Nii et al). 2005;18:805-14
Planimetric assessment of anatomic valve area overestimates effective orifice area in bicuspid aortic stenosis (Donal et al). 2005;18:1392-8

Triglycerides
Plasma triglyceride level is an independent predictor of altered left ventricular relaxation (de las Fuentes et al). 2005;18: 1285-91

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Contrast echocardiography improves the diagnostic yield of transthoracic studies performed in the intensive care setting by novice sonographers (Makaryus et al). 2005;18:475-80
Duplex ultrasonography of vertebral and subclavian arteries (Kalaria et al). 2005;18:1107-11 (Review article)
Early myocardial abnormalities in asymptomatic patients with severe isolated congenital aortic regurgitation: an ultrasound tissue characterization and strain rate study (Di Salvo et al). 2005;18:122-7
Influence of scanning frequency and ultrasonic contrast agent on reproducibility of left ventricular measurements in the mouse (Denvir et al). 2005;18:155-62
Noninvasive localization of nuclear factor of activated T cells c1—/— mouse embryos by ultrasound biomicroscopy-Doppler allows genotype-phenotype correlation (Ji and Phoon). 2005;18:1415-21
Noninvasive quantification of regional ventricular function in rats: assessment of serial change and spatial distribution using ultrasound strain analysis (Hirano et al). 2005;18: 907-12
Quantification of regional nonuniformity and paradoxical intramural mechanics in hypertrophic cardiomyopathy by high frame rate ultrasound myocardial strain mapping (Sengupta et al). 2005;18:737-42
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Residents can be trained to detect abdominal aortic aneurysms using personal ultrasound imagers: a pilot study (Riegert-Johnson et al). 2005;18:394-7
A semiautomated ultrasound border detection program that facilitates clinical measurement of ultrasound carotid intima-media thickness (Stein et al). 2005;18:244-51
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Two-dimensional strain—a Doppler-independent ultrasound method for quantitation of regional deformation: validation in vitro and in vivo (Korinek et al). 2005;18:1247-53
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Uremia
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Superior vena cava (SVC) thrombosis: diagnosis and follow up

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Doppler echocardiographic assessment of valvular regurgitation severity by measurement of the vena contracta: an in vitro validation study (Mascherbauer et al). 2005;18:999-1006

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Age and aneurysm position predict patterns of left ventricular dysfunction after subarachnoid hemorrhage (Khush et al). 2005;18:168-74

Assessment of mitral annular velocities by Doppler tissue imaging in predicting left ventricular thrombus formation after first anterior acute myocardial infarction (Yilmaz et al). 2005;18:632-7

Cardiac resynchronization therapy acutely improves diastolic function (Waggoner et al). 2005;18:216-20

Characteristics of left ventricular diastolic function in patients with systolic heart failure: a Doppler tissue imaging study (Samad et al). 2005;18:896-900

Choosing apical long-axis instead of two-chamber view gives more accurate biplane echocardiographic measurements of left ventricular ejection fraction: a comparison with magnetic resonance imaging (Malm et al). 2005;18:1044-50

Contribution of Doppler tissue imaging and myocardial performance index to assessment of left ventricular function in patients with Duchenne's muscular dystrophy (Bahler et al). 2005;18:666-73

Determination of pulmonary capillary wedge pressure using pulsed wave Doppler echocardiography: clinical application of range ambiguity phenomenon (Su et al). 2005;18:1023-9

Development of a new animal model of chronic mitral regurgitation in rats under transesophageal echocardiographic guidance (Pu et al). 2005;18:468-74

Differences in the immediate effects of smoking on left ventricular diastolic function between healthy volunteers and patients with type 2 diabetes mellitus (Kim et al). 2005;18:320-5

Doppler tissue imaging for the assessment of left ventricular diastolic function: a systematic approach for the sonographer (Hill and Palma). 2005;18:80-90 (Cardiac sonog. comm.)

Dual triggering improves the accuracy of left ventricular volume measurements by contrast-enhanced real-time 3-dimensional echocardiography (Caiani et al). 2005;18:1292-8

Evaluation of left ventricular systolic function using automated angle-independent motion tracking of mitral annular displacement (DeCara et al). 2005;18:1266-9

Impact of chronic left ventricular preload and afterload on Doppler tissue imaging velocities: a study in congenital heart disease (Eidem et al). 2005;18:830-8

Impact of chronic obstructive pulmonary disease with pulmonary hypertension on both left ventricular systolic and diastolic performance (Yilmaz et al). 2005;18:873-81

Improved accuracy of low-power contrast echocardiography for the assessment of left ventricular remodeling compared with unenhanced harmonic echocardiography after acute myocardial infarction: comparison with cardiovascular magnetic resonance imaging (Lim et al). 2005;18:1203-7

Index of myocardial performance is afterload dependent in the normal and abnormal left ventricle (Lavine). 2005;18:342-50

Influence of preload alterations on parameters of systolic left ventricular long-axis function: a Doppler tissue study: flawed methodology leads to spurious results (Cheung et al). 2005;18:298 (Letter)

Isolated left ventricular noncompaction of the myocardium as a cause of embolic superior mesenteric artery occlusion (Blessing et al). 2005;18:693.e5-7 (Case rep.)

Isovolumic but not ejection phase Doppler tissue indices detect left ventricular dysfunction caused by coronary stenosis (Shimizu et al). 2005;18:1241-6

Isovolumic relaxation flow propagation velocity in patients with diseases impairing ventricular relaxation (Voon et al). 2005;18:221-5

Late left ventricular color M-mode Doppler in the assessment of diastolic dysfunction in patients with dilated cardiomyopathy (Patrianakos et al). 2005;18:979.e1-2 (Case rep.)

Left ventricle myocardial performance index derived either by conventional method or mitral annulus tissue-Doppler: a comparison study in healthy subjects and subjects with heart failure (Gaibazzi et al). 2005;18:1270-6

Left ventricular inflow propagation velocity at pulsed wave Doppler analysis: an index of relaxation (Voon et al). 2005;18:326-9

Long-term prognostic importance of transient left ventricular dilation during pharmacologic stress echocardiography (de Isla et al). 2005;18:57-62

Massive posterior mitral annular calcification causing dynamic left ventricular outflow tract obstruction: mechanism and management implications (Puri et al). 2005;18:1106.e3-5 (Case rep.)

Midwall shortening after coarctation repair: the effect of through-plane motion on single-plane indices of left ventricular function (Gentles et al). 2005;18:1131-6

Mitral annulus size links ventricular dilatation to functional mitral regurgitation (Popović et al). 2005;18:959-63

Myocardial performance index in female rats with myocardial infarction: relationship with ventricular function parameters by Doppler echocardiography (Cury et al). 2005;18:454-60

Noninvasive prediction of complications with anteroseptal acute myocardial infarction by left ventricular Tei index (Yuasa et al). 2005;18:20-5

Peculiar aspects of cardiogenic embolism in patients with Chagas' cardiomyopathy: a transthoracic and transesophageal echocardiographic study (Nunes et al). 2005;18:761-7

Plasma triglyceride level is an independent predictor of altered left ventricular relaxation (de las Fuentes et al). 2005;18:1285-91

Prediction of the left ventricular ejection fraction improvement using echocardiography and mechanical modeling (Han et al). 2005;18:718-21

Preload and flow propagation velocity: insight into patients with uremia and different left ventricular systolic function (Hsiao et al). 2005;18:1254-9

Prevalence of echocardiographically detected ventricular asynchrony in patients with left ventricular systolic dysfunction (Perez de Isla et al). 2005;18:850-9

Rapid full volume data acquisition by real-time 3-dimensional echocardiography for assessment of left ventricular indexes in children: a validation study compared with magnetic resonance imaging (Bu et al). 2005;18:299-305

Refinement on single-beat determination of left ventricular systolic function in patients with atrial fibrillation (Wang et al). 2005;18:913-8

Reproducibility of Doppler echocardiographic assessment of left ventricular diastolic function in multicenter setting (Palmieri et al). 2005;18:99-106

Serial changes in regional diastolic left ventricular function after a first acute myocardial infarction (Husic et al). 2005;18:1173-80

Strain rate imaging for noninvasive functional quantification of the left atrium: comparative studies in controls and patients with atrial fibrillation (Inaba et al). 2005;18:729-36

Tako tsubo cardiomyopathy (transient left ventricular apical ballooning): case report of a myocardial perfusion echocardiogram study (Upadya et al). 2005;18:883.e10-4 (Case rep.)

Ultrasonic tissue characterization predicts left ventricular re-

modeling in patients with acute anterior myocardial infarction after primary coronary angioplasty (Ohara et al). 2005; 18:638-43

Use of a hand-carried ultrasound device by critical care physicians for the diagnosis of pericardial effusions, decreased cardiac function, and left ventricular enlargement in pediatric patients (Spurney et al). 2005;18:313-9

Which Doppler parameters are load independent? A study in normal volunteers after blood donation (Abali et al). 2005; 18:1260-5

Ventricular function, right

Color Doppler tissue imaging for evaluation of right ventricular systolic function in patients with congenital heart disease (Lytrivi et al). 2005;18:1099-104

The evaluation of pulmonary hypertension using right ventricular myocardial isovolumic relaxation time (Dambrauskaite et al). 2005;18:1113-20

Increased right ventricular afterload induces postsystolic thickening of the ventricular septum in nonischemic hearts (Urheim et al). 2005;18:839-43

A novel regional right ventricular wall-motion abnormality observed in a case of acute pulmonary embolism (reverse McConnell sign) (Haghi et al). 2005;18:75-7 (Case rep.)

Prognostic importance of various echocardiographic right ventricular functional parameters in patients with symptomatic heart failure (Meluzin et al). 2005;18:435-44

Right ventricular outflow tract thrombus in a case of Behçet's disease (Özer et al). 2005;18:381-3 (Case rep.)

Right ventricular pre-ejection myocardial velocity and myocardial acceleration in normal fetuses assessed by Doppler tissue imaging (Harada et al). 2005;18:370-4

Tissue Doppler imaging and brain natriuretic peptide levels in adults with repaired tetralogy of Fallot (Brili et al). 2005;18: 1149-54

Ventricular function tests; *see* Heart function tests

Ventricular outflow obstruction

Aortic hypoplasia and right ventricular outflow tract obstruction in a young man with uncontrolled hypertension (Ho et al). 2005;18:883.e7-9 (Case rep.)

Massive posterior mitral annular calcification causing dynamic left ventricular outflow tract obstruction: mechanism and management implications (Puri et al). 2005;18:1106.e3-5 (Case rep.)

Subvalvular left ventricular outflow obstruction for patients undergoing aortic valve replacement for aortic stenosis: echocardiographic recognition and identification of patients at risk (Bach). 2005;18:1155-62

Ventricular septal defects; *see* Heart septal defects, ventricular

Vertebral artery

Duplex ultrasonography of vertebral and subclavian arteries (Kalaria et al). 2005;18:1107-11 (Review article)

Volume, cardiac; *see* Cardiac volume

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Wall motion

Doppler tissue imaging improves assessment of abnormal interventricular septal and posterior wall motion in constrictive pericarditis (Sengupta et al). 2005;18:226-30

A novel regional right ventricular wall-motion abnormality observed in a case of acute pulmonary embolism (reverse McConnell sign) (Haghi et al). 2005;18:75-7 (Case rep.)

Women; *see* Females